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"Preparing College Graduates To Teach in Schools"

PRELIMINARY EDITION

Edited by John D. Herzog, ed.

AMERICAN COUNCIL ON EDUCATION

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PRELIMINARY EDITION

Preparing College Graduates To Teach in Schools

A DIRECTORY OF FIFTH-YEAR PROGRAMS IN ELEMENTARY AND SECONDARY EDUCATION DESIGNED PRIMARILY FOR PERSONS WHO DID NOT PREPARE FOR TEACHING AS UNDERGRADUATES

Edited by JOHN D. HERZOG

Teaching Fellow in Education, Harvard University

American Council on Education • Washington, D.C.

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FOREWORD

THIS DIRECTORY of fifth-year programs of preparation for teaching in elementary and secondary schools, designed primarily for persons who did not prepare for teaching as undergraduates, originated in the Graduate School of Education at Harvard University. Programs of the sort listed herein have come to the fore within the past decade. However, as the editor notes in the introduction, this concept is by no means new. How to provide avenues for recruiting liberal arts graduates into teaching has been of concern to a number of educators throughout the country for many years.

The 1958 mimeographed version of this directory, produced at Harvard, was oriented primarily to programs of this type in Eastern colleges and universities. The Council on Cooperation in Teacher Education saw in it the potentialities of a directory that would be broader in scope and consequently of interest to students and teachers on a nation-wide basis.

This preliminary edition reflects the efforts of the editor to adapt the directory to national use. It is known to be incomplete, but it seemed better to make the directory available in the spring of 1960 than to withhold publication until a more comprehensive list could be compiled.

Since this edition is an experiment, it will be distributed free so long as the supply of copies lasts. Subsequent editions, if published, will be sold at a price adequate to cover the cost. Whether or not future editions will be published will depend upon the extent to which this edition is found to be useful. Comments and suggestions are requested from users so that a sound judgment may be made concerning the feasibility of later editions.

ARTHUR S. ADAMS, *President*
American Council on Education

February 1, 1960

PREFACE

In 1952, twenty-nine Eastern liberal arts colleges[1] joined with Harvard University in an effort to interest their students in secondary and elementary school teaching. The results of this venture were, and continue to be, more than satisfactory: at each college, a faculty representative and supporting committee recruit for public and private education an increasing number of able individuals from successive graduating classes. In particular, preparation *after* college for teaching has gained wide acceptance as an alternative to conventional undergraduate teacher training.

The Twenty-nine College group was originally organized to recruit for the Harvard fifth-year programs, but this conception of its purpose soon proved unworkable. Not all potential teachers in the colleges wished to go to Harvard, nor was the Harvard pattern of training equally well suited for all. Accordingly, some of the faculty representatives began collecting information about other fifth-year programs. The number and location of such programs was (and is) constantly changing, and no one representative, burdened with the usual professorial and administrative responsibilities, was able to gather a comprehensive file. The representatives requested the Harvard Graduate School of Education, executive agent for the Twenty-nine College group, to compile a "directory" of fifth-year programs of teacher preparation for distribution to faculty members and students in the colleges.

In October 1958, after inquiry at a limited number of institutions known to sponsor teacher-training programs for liberal arts graduates, a mimeographed "Directory of Programs of Preparation for Teaching" was distributed to the colleges. Though the listing was not comprehensive, response was enthusiastic. The compiler was urged to continue his inquiries, looking toward a wider coverage of programs and a more general distribution of the booklet.

Subsequently, the directory came to the attention of the Council on Cooperation in Teacher Education of the American Council on Education. The CCTE believed that the directory, in expanded form, would be useful, not only to the students and faculties in the Twenty-nine College group, but also to their counterparts in other institutions, and to individuals such as retired military personnel, women college graduates who plan teaching careers

[1] Members of the Twenty-nine College group are Amherst, Barnard, Bates, Bennington, Bowdoin, Brandeis, Brown, Bryn Mawr, Colby, Colgate, Connecticut College, Dartmouth, Hamilton, Harvard, Haverford, Holy Cross, Lafayette, Massachusetts Institute of Technology, Middlebury, Mount Holyoke, Pembroke, Radcliffe, Sarah Lawrence, Simmons, Smith, Swarthmore, Vassar, Wellesley, Wheaton, Williams.

when their families demand less than full-time attention, and men and women in a variety of callings who desire to change fields. To this end, the American Council on Education is publishing this expanded work in order that the information will be more widely available.

The present booklet is a complete revision of the mimeographed directory; it contains almost three times as many program descriptions and covers a wider geographical area. *It is not yet a comprehensive compilation of all programs available for college graduates who wish to enter teaching;* numerous programs are not listed. The reasons for omissions are threefold.

1. Information was not received from all colleges and universities to which inquiries were addressed. Such "blanks" may be explained by an unclear letter of inquiry, by the selection of inappropriate officers from whom to request information, by the dearth of secretarial assistance which afflicts some programs and departments, and, most important, by the kaleidoscopic nature of the entire field, in which programs have been constantly launched, changed, and abandoned.

2. Information was not solicited from *all* accredited colleges and universities, nor were all nonresponding institutions resolicited. Broad-scale correspondence with all institutions of higher education was not within the resources of the Harvard Graduate School of Education until publication of the directory was finally ensured. Thorough inquiry after sponsorship had been arranged would have postponed distribution further. It was decided to make available the present compilation—despite its limitations—as quickly as possible.

3. Some omissions are more apparent than real. A large number of institutions sponsor master's degree and certification programs for students who have had substantial course work in education. (Typical admission requirements are 18 hours or more, including practice teaching.) These programs are quite properly termed "fifth-year programs" by their sponsors. However, this usage is not the same as that employed in this directory, which attempts an enumeration of opportunities for *graduates lacking prior courses in education.* With a few exceptions, fifth-year programs for those who have concentrated in education are not listed in this booklet.

A comprehensive inquiry of all accredited colleges and universities is now under way, and additions will be made to subsequent editions of this directory if publication of such editions proves feasible. *Readers are requested to call the attention of the editor*[2] *to programs not now listed in the directory.*

The editor wishes to express his gratitude to Professor Robert F. Grose, Twenty-nine College representative at Amherst College, who was first to see the potential usefulness of a directory and who took the lead in promoting the project; to Dean Francis Keppel and Associate Dean Judson T. Shaplin of the Harvard Graduate School of Education, who endorsed the idea from

[2] Address: Palfrey House, Harvard University, Cambridge 38, Mass.

its inception and provided the editor with time, secretarial assistance, and financial support; and to Mrs. Monica McElligott, Mr. Harold Haizlipp, and Miss Eleanor Goldma , without whose critical and clerical assistance the entire effort could not ave been completed.

A prepublication attempt has been made to allow each institution to check the description of its programs and to make corrections when necessary. Any remaining inaccuracies or omissions are the ful responsibility of the editor, and not of the institutions involved.

JOHN D. HERZOG

CONTENTS

Foreword iii
Preface iv

PART I: PURPOSES AND CHARACTERISTICS OF FIFTH-YEAR PROGRAMS

Introduction 2
Explanation of Terms 6

PART II: PROGRAM EXHIBITS

Section A: Master of Arts in Teaching Programs for Secondary School Teaching

Assumption College 10
Boston College 10
Boston University 10
Brown University 11
Colgate University 11
Connecticut College 11
Duke University 11
Harding College 12
Harvard University and Radcliffe College Graduate School 12
Indiana University 12
Johns Hopkins University 12
Mount Holyoke College 13
Oberlin College 13
Radcliffe College 13
Smith College 13
University of Chicago 13
University of Massachusetts 13
Vanderbilt University 14
Wesleyan University 14
Yale University 14

Section B: Other Master's Degree Programs for Secondary School Teaching

Adelphi College 15
Boston University 15
Brooklyn College 15
Canisius College 16
The City College 16
College of St. Rose 16
Colorado State College 16
Cornell University 17
Florida State University 17
George Peabody College for Teachers 17
George Washington University 17
Hofstra College 18
Indiana State Teachers College 18
Macalester College 18
New England Conservatory of Music 18
New York University 19
Northeastern University 19
Northwestern University 19
Rutgers, The State University 19
Southern Connecticut State College 20
Stanford University 20
Syracuse University 20
Teachers College, Columbia University 20
Temple University 20
Tufts University 21
University of Arkansas 21
University of Buffalo 21
University of Florida 21
University of Illinois 21
University of Michigan 22
University of North Carolina 22
University of Southern California 22
University of Wisconsin 22
Wagner College 23
Washington University 23
Yeshiva University 23

Section C: Nondegree Certification Programs for Secondary School Teaching

Adelphi College 24
Bowling Green State University 24
Brigham Young University 24
C. W. Post College of Long Island University 25
Claremont Graduate School 25
Colgate University 25
Dickinson State Teachers College 25
Fordham University 25
Gonzaga University 25
Harvard University 25

Section C: Nondegree Certification Programs for Secondary School Teaching—(Continued)

Kansas State Teachers College 26
Kent State University 26
Lesley College 26
Long Island University 26
New York University 26
Ohio University 27
Plymouth Teachers College 27
Rhode Island College of Education 27
St. Bonaventure University 27
St. John's University 27
San Francisco State College 27
Stanford University 28
Syracuse University 28
University of Alabama 28
University of California 29
University of Delaware 29
University of Idaho 29
University of Kansas 29
University of Maryland 29
University of North Dakota 30
University of Southern California 30
University of the State of New York 30
University of Toledo 30
University of Vermont 31
Washington University 31
Wayne State University 31
Wesleyan University 31
West Virginia University 31
Yeshiva University 31

Section D: Master's Degree Programs for Elementary School Teaching

Boston University 32
College of St. Rose 32
Colorado State College 32
Cornell University 32
Florida State University 32
Goucher College 33
Harding College 33
Harvard University 33
Macalester College 33
National College of Education 33
New England Conservatory of Music 33
Northeastern University 33
Northwestern University 34
Rutgers, The State University 34
Sarah Lawrence College 34
Syracuse University 34
Teachers College, Columbia University 35
Tufts University 35
University of Arkansas 35
University of Buffalo 35
University of Delaware 35
University of Massachusetts 35
University of Michigan 36
University of Wisconsin 36
Wagner College 36
Washington University 37
Yeshiva University 37

Section E: Nondegree Certification Programs for Elementary School Teaching

Adelphi College 38
Bowling Green State University 38
Brigham Young University 38
Central Connecticut State College 39
Claremont Graduate School 39
College of St. Rose 39
Connecticut State Colleges 39
Danbury State College 39
Harris Teachers College 39
Harvard University 40
Kent State University 40
Long Island University 40
Merrill-Palmer School 40
Newark State College 41
North Central College 41
Ohio State University 41
Ohio University 41
Rhode Island College of Education 42
San Diego State College 42
San Francisco State College 42
Southern Connecticut State College 42
Stanford University 42
Syracuse University 42
University of Alabama 42
University of Chicago 42
University of Delaware 43
University of Idaho 43
University of Kansas 43
University of Maryland 43
University of North Dakota 43
University of Southern California 44
University of the State of New York 44
University of Toledo 44
University of Utah 44
University of Vermont 45
Whitworth College 45
Wayne State University 45
West Virginia University 45
Willimantic State College 45
Yeshiva University 45
Youngstown University 45

INDEXES: *Alphabetical Index* 46

Geographical Index 48

PART I

Purposes and Characteristics of Fifth-Year Programs

INTRODUCTION

EXPLANATIONS of terms used in this Introduction and in the descriptions of programs are given on pages 6 to 8.

This directory is designed to be used by the following groups of people who wish to enter teaching:

1. Liberal arts students (seniors or recent graduates) who have taken few or no courses in education.
2. College students (seniors or recent graduates) whose majors have been in professional areas (business, engineering, nursing, etc.) other than education.
3. Older college graduates who are retiring from business, military service, and other professions.
4. College graduates of various ages in professions other than education who wish to prepare for teaching.
5. Women who are college graduates and who wish to prepare for a teaching career as their other responsibilities require less of their time.

The programs listed in the directory share two characteristics: (1) They are open to students who have had *no* previous courses in education, and (2) they offer practice teaching. Only institutions accredited by the appropriate regional accrediting association are listed.

Fifth-year programs of the type included are not, of course, an entirely new phenomenon in American higher education. As early as 1931, Wayne State University (then Detroit Teachers College) established a "Postdegree Curriculum" (see page 31) for liberal arts graduates. In 1936, President James B. Conant sparked the organization of the Harvard Master of Arts in Teaching Program. But the movement did not gain widespread notice until after World War II, when the active support of the Fund for the Advancement of Education of the Ford Foundation was first felt. A summary of the work of the Fund is contained in Paul Woodring's book, *New Directions in Teacher Education.*[1] A bibliography of articles and studies relating to fifth-year programs has been compiled by Shirley Radcliffe in *Teacher Education: Fifth-Year Programs.*[2]

Why is there a need for fifth-year programs? Why cannot *all* students prepare for teaching within the four undergraduate years, as have the majority of new teachers for several decades? Arguments for the four-year liberal arts–professional education sequence are powerful: it is unhurried and proceeds as a planned, step-by-step sequence; it permits the college graduate to begin contributing to society sooner; a four-year program, followed by several years of experience in teaching, is an assurance of more profitable graduate study both in the individual's teaching field and in education; the financial investment of the fifth year is an unreasonable expectation for great numbers of prospective teachers, particularly women whose teaching careers may be short; not all prospective teachers are able to profit from graduate study.

These are telling arguments. It is clear that the four-year sequence will remain as the dominant pattern of training for teaching for many years to come. Nonetheless, the fifth-year pattern has grown as a viable alternative to undergraduate training, and will probably continue to do so, since it provides an important avenue for certain key groups of potential educators.

1. Many undergraduates desire and can afford a full four-year liberal arts education, unrestricted by the demands of professional education (of *any* variety), even though their vocational plans remain clear throughout this period. Many prospective teachers place a high premium on the importance of "knowledge" in the abstract, and simply "want to know more about their subjects" before they teach.

2. Many undergraduates delay making vocational choices until their senior year, or even later. As a result, they are not able to

[1] New York: Fund for the Advancement of Education, 1957.

[2] Bulletin 1959, No. 9 (Washington: Office of Education, Department of Health, Education, and Welfare, 1959).

take advantage of undergraduate programs in education. Individuals in this category are not necessarily fickle, insincere about career choice, or "mixed up"; they may well include able and sensitive members of a class, temporarily overwhelmed by the wealth of opportunities for which they are qualified. Education does well by encouraging their interest and by providing ways of inducting them into teaching.

3. Many undergraduates find themselves, because of pressure by parents and friends, or as a result of misinformation or lack of planning on their own part, preparing for specific professions or vocations in which they are not interested or for which they feel themselves temperamentally unsuited. Since discoveries of this sort are rarely made until one of the final college years, a fifth-year program is often the only means by which an unfortunate career choice may be rectified.

4. Many recent and not-so-recent college graduates desire to change fields *after* graduation from college. Reasons for alteration of plans are legion—dissatisfaction with the job, early retirement, widowhood, maturing of a family accompanied by reduced household responsibilities, and so on. Teaching can be a satisfying, productive enterprise for people of this sort, but the transfer is often not as easy as many think it will be. In the first place, if a person has graduated from college more than eight or ten years previously, his knowledge of his subject may be tenuous or, at best, outmoded; this is particularly striking in the natural sciences and mathematics. Second, having been absent from the high school classroom a decade or more, he may underestimate the time and energy demands of teaching. To provide updating for the individual in his proposed teaching field, as well as adequate supervision and advice during the first crucial months of teaching, a supplementary program is not only desirable but necessary.

Certification Requirements

A teacher's certificate is his license to teach in the public schools of a state (in a few states, certificates are required for teaching in private schools as well), and is issued by the appropriate state agency, usually the state department of education. *Certificates are not awarded by colleges or universities* except in the case of a few state-supported universities that have been delegated this responsibility by state departments of education. Although procedures vary among the states, certificates are usually granted to qualified candidates by the appropriate issuing agency in each state upon receipt of an application, transcripts of all college work, and other supporting material. A certificate is valid only in the state in which it is issued, although in most cases a teacher fully certified in one state will have little difficulty in gaining certification in another. Certificates are granted on various levels and often for specific purposes. The most common distinction made by certifying agencies is that between secondary and elementary school teaching. Some states divide high school certification into junior and senior levels, and some split the elementary schools into kindergarten, primary, and intermediate grades. Most states award certificates on a subject basis for secondary school teaching: English, natural sciences, business education, and so on.

Many states, as a response to teacher shortages, issue provisional certificates. These are granted to other than fully qualified individuals in shortage fields, in order to allow such persons to teach *while* they are making regular, reported progress toward full certification.

In establishing certification regulations, states normally specify quantitative requirements in three areas: *general education* or general liberal arts subjects, college major or expected *teaching field*, and courses in *professional education*. Such regulations are ordinarily voted by the state legislatures and interpreted and enforced by the state departments of education, some of which have considerable latitude.[3]

Most of the programs listed in this directory prepare the student for full certification

[3] James B. Conant has provided a stimulating discussion of the pros and cons of certification in *The Child, the Parent and the State* (Cambridge, Mass.: Harvard University Press, 1959), especially pp. 25–26 and 161–65.

in more than one state; many of them prepare for certification in most states. The existence of requirements specific to a given state (such as courses in the history of that particular state, in guidance, in audio-visual techniques, in health education) makes it impossible to claim that a single program will prepare a student to meet requirements in *all* states. Thus, "most states" is the most inclusive term used in characterizing the preparation for certification offered in the various programs. When a program appears to be geared to meeting the regulations of a particular state, ignoring common requirements elsewhere, only the name of that state is mentioned under the heading "Certification." Such a program actually may prepare a student for certification in more than one state, and may qualify him for provisional certification in most states.

The individual planning to teach in a particular state on a specific level or in a specific subject should acquaint himself with the certification requirements of the state for the particular job. He may do so by writing to the state department of education in the capital city of the state; or by consulting *A Manual on Certification Requirements for School Personnel in the United States*[4] or referring to *Requirements for Certification.*[5]

Course Requirements in Fifth-Year Programs

As has been stated, fifth-year programs are designed for liberal arts graduates who have not taken courses in education, for graduates of professional curricula in other fields, and for college graduates changing from other occupations into education. The *typical* credit-hour requirements for fifth-year programs are estimated in the table below. Considerable variation exists from program to program and from state to state; programs are listed in the directory which both exceed and fall short of these rough estimates.

[4] W. Earl Armstrong and T. M. Stinnett, *A Manual on Certification Requirements for School Personnel in the United States* (Washington: National Education Association, 1959).

[5] Robert C. Woellner and M. Aurilla Wood, *Requirements for Certification of Teachers, Counselors, Librarians, Administrators for Elementary Schools, Secondary Schools, Junior Colleges* (24th ed.; Chicago, Ill.: University of Chicago Press, 1959).

TYPICAL CREDIT-HOUR REQUIREMENTS FOR FIFTH-YEAR PROGRAMS FOR PROSPECTIVE TEACHERS

Programs	Number of Credit Hours			
	In Education	In Practice Teaching	In Teaching Field	In General Liberal Arts Subjects
For secondary school teaching; results in a master's degree and certification*	10–18	3–6	6–12 if undergraduate major in teaching field; otherwise, more	None if at least 65 hours on undergraduate level
For secondary school teaching; results in certification only†	10–18	2–6	0–6 if undergraduate major in teaching field	None if at least 65 hours on undergraduate level
For elementary school teaching; results in a master's degree and certification‡	20–30	3–12	None	None if at least 65 hours on undergraduate level
For elementary school teaching; results in certification§	16–24	3–6	None	None if at least 65 hours on undergraduate level

* Programs described in Sections A and B, pp. 10–23.
† Programs described in Section C, pp. 24–31.
‡ Programs described in Section D, pp. 32–37.
§ Programs described in Section E, pp. 38–45.

These requirements presuppose a certain type of academic background. For many students, a longer or shorter period of study may be required.

Degrees Awarded to Graduates of Fifth-Year Programs

Readers of the directory will discover that the institutions listed offer an extensive array of professional degrees to successful candidates. The name of the degree awarded, in most cases, tells something about the auspices under which the program is offered and the nature of the program itself. In some instances, local custom has greatly changed the meaning of a given degree; the reader is warned to accept the following definitions tentatively until he makes inquiries of his own at particular institutions.

Bachelor of Science in Education. This degree is awarded normally to students who complete what is essentially an *undergraduate* sequence of education courses, usually preparatory to elementary school teaching. It is awarded both to undergraduates at the institution and to holders of Bachelor of Arts or regular Bachelor of Science degrees who complete a fifth-year program at the institution.

Master of Arts. This is the traditional master's degree signifying advanced study in a particular discipline. As a degree granted at the end of a fifth-year program, it signifies that the recipient has written a thesis or a series of seminar papers in his teaching field or in education, that his work has been done under the general supervision of a faculty of arts and sciences, and that he has completed a limited amount of advanced work in one of the regular academic disciplines. The department of education is usually a part of the faculty of arts and sciences in such cases.

Master of Arts in Education. This degree signifies advanced study in education. The recipient has usually written a thesis in education or a series of papers. His work has been done under the general supervision of the faculty of arts and sciences, mostly within the department of education. This degree is often a research degree in education, but when awarded at the end of a fifth-year program, its requirements are usually altered to permit an emphasis on preparation for teaching.

Master of Arts in Teaching. This is a relatively new degree which signifies cooperation in the training of teachers between a faculty of arts and sciences and a faculty of education. The degree is normally awarded by the faculty of arts and sciences upon the recommendation of the faculty of education. The recipient usually has trained for secondary school teaching, and has taken a prescribed program of graduate courses in his teaching field and in education. A thesis usually is not required.

Master of Education. This degree is awarded by schools of education and semiautonomous departments of education. It is awarded at the conclusion of a large number of specialized training programs (guidance, administration, etc.) in education; when awarded at the conclusion of a fifth-year program, it signifies the completion of a prescribed sequence of courses in education and, for secondary school teaching, in the holder's teaching field. A thesis is usually not required for this degree in a fifth-year program.

Master of Science in Education. Roughly equivalent to the Master of Education (see paragraph above).

EXPLANATION OF TERMS

EACH OF the institutions listed in this directory employs a partially private vocabularly in describing its program or programs. These terminologies are meaningful in a full pamphlet or catalogue, but they lose precision when employed in a condensed description in the directory. For this reason, as well as to conserve space, a standard terminology has been adopted. Below are explanations of terms used in the directory; the editor is aware that his usage does not always coincide with all frequently employed conventions. Terms chosen are those which seem best to meet the standards of brevity and clarity.

Appraisal examinations. Examinations, usually written and of two to three hours in length, employed to test the knowledge of students in certain areas in education (or in other fields). Normally, the student who passes such an examination does *not* receive academic credit, but is excused from taking a corresponding course and substitutes for it an elective of his choice. Failure in the examination is not recorded in the student's record; he is expected to enroll in a corresponding course.

Bachelor's degree. Usually a Bachelor of Arts or Bachelor of Science degree, with a major in one or two of the liberal arts subjects (see explanation of term, page 7) and a preponderance of elective courses in the liberal arts subjects. Persons holding bachelor's degrees of other kinds, or with majors in fields such as engineering, law, business, nursing, etc., may find that part of their undergraduate work is considered the equivalent of liberal arts study. Graduates in fields other than liberal arts should expect to complete some additional study, however, beyond the usual requirements of a given program. Extra study is normally required in the academic fields taught in the public schools and in general liberal arts subjects. Questions regarding extra study may best be settled in consultation with faculty members in particular institutions.

Certificate; certification. See pages 3 and 4.

Education; education course. Any course, seminar, workshop, practicum, or systematic study offered by a college or university department or school of education and taken for credit toward a degree or teacher's certificate. Typical required courses, seminars, etc., in education include philosophy, history, and sociology of education; educational psychology and child development; the elementary school and the secondary school; methods of teaching the various elementary school and high school subjects; general methods of teaching; guidance and audio-visual aids; practice teaching and intern teaching. *No one program requires all of these.* In order to conserve space, the names of required courses in education are rarely specified in this directory; only amount of credit for practice or intern teaching is indicated, in addition to the total number of hours in education required.

Field work. Various anticipatory activities in a school or in a community center, *not* including practice teaching, required as a part of a program of training, but in most instances not earning credit for the degree. Examples: coaching, settlement house group work, sponsorship of school clubs.

Fifth-year program. A series of courses, seminars, workshops, practicums, or other systematic study set up primarily to provide initial preparation for teaching for college graduates who majored in fields *other than education* as undergraduates. The program may or may not include a degree at the conclusion; its length may vary from six weeks during the summer to two full academic years; it may require part-time or full-time attendance. All fifth-year programs included here have two characteristics in common: they include some form of teaching experience—practice teaching, internship, or full responsibility; and they are open to students

who have taken few or no courses in education.

Graduate credit. Credit resulting from a course the material of which is considered to be on an advanced level and which may be counted toward a master's degree in the institution in which the course is offered. Many institutions do not recognize for graduate credit the introductory courses in education which are included in many of the fifth-year programs on the ground that the work covered is the same as that covered in junior- and senior-year courses in education; such institutions regard these courses as carrying undergraduate credit, and may award the Bachelor of Science in Education degree, rather than a master's degree, to students who complete their programs. Other institutions organize courses in education for fifth-year students separately from those for undergraduates, conduct them on a more rigorous basis, and grant graduate credit upon successful completion. Both types of institutions, however, are likely to grant graduate credit for courses taken by the student during the fifth-year in his teaching field (see explanation of term, page 8). Introductory courses in fields other than the teaching field often do not carry graduate credit. *All courses and programs in this directory carry graduate credit unless otherwise specified.*

Hour. This term is used as a synonym for "semester hour," "credit," "point," "unit," "credit point," etc. It is *not* the equivalent of "quarter hour," "quarter point," etc. *In the directory all "hours" are "semester hours" unless otherwise specified.*

Internship; intern. A form of practice teaching (see explanation of term, page 8) in which the student (1) is given relatively complete responsibility for the instruction of a class or classes of children; (2) is expected to teach for an entire day, five days a week, for at least one semester; (3) is considered a member of the faculty of the school in which he teaches; (4) is supervised in his teaching by both school and university representatives; (5) retains student status in the university while interning and receives practice teaching credit for his teaching; (6) is paid by the school slightly less than a beginning teacher with a bachelor's degree and full certification. In some states, a special provisional certificate is granted to interns during their internship period.

Liberal arts subjects. The areas of knowledge customarily included in the humanities, the natural sciences, and the social sciences. In this directory, the term "liberal arts subjects" does *not* include the student's "teaching field" (see explanation of term, page 8), courses in education, or courses in other professional areas such as nursing, engineering, business, and law. "Liberal arts subjects" is synonymous with "general education," but has been used in preference to the latter, more common, term to avoid confusion with "education," also frequently employed.

Major. The liberal arts *or* professional subject in which a student specializes, customarily during the last two years of college; his field of concentration.

Master's degree. See page 5.

NCATE. National Council for Accreditation of Teacher Education, a nongovernmental organization in the field of teacher education which sets standards, visits colleges and universities requesting NCATE accreditation, and accredits the institutions meeting minimum requirements. The NCATE is composed of representatives of the American Association of Colleges for Teacher Education, the Council of Chief State School Officers, the National Association of State Directors of Teacher Education and Certification, the National Commission on Teacher Education and Professional Standards of the National Education Association, and the National School Boards Association.

Observation. Scheduled and continual opportunities to watch the process of instruction, generally in selected classrooms under the guidance of experienced teachers. Normally, discussion of observation follows.

Participation. Scheduled and continual opportunities to watch and to assist in the process of instruction, generally in selected classrooms under the guidance of experienced teachers. No full responsibility for instruction. Normally, discussion of events of the classroom follows. As used in the directory, participation is synonymous with "laboratory experiences," "practicum," etc.

Practice teaching. Scheduled and continual opportunities to watch, assist, and manage the process of instruction, in selected classrooms under the guidance of experienced teachers and university supervisors. Discussion of the intended and actual events of the classroom occurs from time to time with school and/or university representatives. Intern (see explanation of term, page 7) teaching is a form of practice teaching in which the intern teacher is given virtually full responsibility for the instruction of the children and is paid for his work; the typical practice teacher is not given full responsibility, nor is he paid. As used in the directory, practice teaching is synonymous with "apprentice teaching," "apprenticeship," "student teaching," "guided teaching," "supervised teaching," and various permutations of these terms.

Quarter. One-fourth of a *calendar* year. An academic year consists of *three* quarters (fall, winter, and spring). In most institutions employing this system, the summer quarter is organized separately from the other three quarters.

Quarter hour. Unit of credit for courses in institutions employing the quarter system. See "Hour," page 7.

Semester. One-half of an *academic* year. An academic year consists of two semesters (fall and spring). In most institutions employing the semester system, the summer session is organized separately from the academic semester. The amount of credit that can be earned in a summer of full-time study is equivalent to only a fraction of a regular semester and varies among institutions.

Semester hour. Unit of credit for courses in institutions employing the semester system. See "Hour," page 7.

Supervision; supervised. Observation of, and assistance to, a trainee during practice or intern teaching, in regard to lesson and unit planning, maintenance of discipline, classroom management and mannerisms, composition of examinations, marking, and other aspects of teaching. Supervisors may be school or university representatives, and, while they normally are responsible for the grade the student receives for his teaching, their main responsibility is to help the student through his first weeks.

Teaching field. The school subject in which the prospective teacher wishes to specialize (particularly applicable to junior and senior high school instructors, although specialists on the elementary level are not unknown). This subject is normally the collegiate "major" (see explanation of term, page 7) of the prospective teacher. In the event that (1) the student has majored in a subject inappropriate for school instruction or (2) wishes to change his major as a result of a postcollege shift of interest, an extra period of study in the new field will be required in most of the programs in the directory. Such extra study must continue until the equivalent of an undergraduate major has been achieved (in certain cases, some graduate credit may also be required); provisional certification may be withheld during part of this period. Elementary school teachers customarily do not need a specific teaching field, but are required to have a background in "liberal arts subjects" (see explanation of term, page 7) comprising about half of their total undergraduate record.

Undergraduate credit. Credit resulting from a course, the material of which is considered to be on an introductory level suitable for undergraduates and which may *not* be counted toward a master's degree in the institution in which the course is taken. See "Graduate credit," page 7.

PART II

Program Exhibits

Section A

MASTER OF ARTS IN TEACHING PROGRAMS FOR SECONDARY SCHOOL TEACHING

The typical program in this category is sponsored cooperatively by a faculty or college of arts and sciences and a faculty or college of education. The student must do work both in his teaching field and in education. Completion of the program results in a degree awarded jointly by the faculties and in satisfaction of requirements for certification on the secondary level in most states. Unless otherwise specified, programs are open to both men and women.

Assumption College

Worcester 9, Massachusetts

Admission regulations: Bachelor's degree; Graduate Record Examination. Interview.

Program: Preparation offered only in French, combination of two or more foreign languages, natural sciences, and social sciences. Total required: 30 hours, including 12 hours in teaching field, 15 hours in education, 3 hours in seminar relating teaching field and classroom instruction. Student must pass modern foreign language examination to qualify for degree. Practice teaching in addition. Program offered on part-time basis.

Time required: 5 summers and/or semesters, part time. Academic-year courses offered during late afternoon.

Financial aid: None specified.

Certification: Massachusetts and most other states.

Application deadline: Not specified.

Address inquiries to: Edward G. Benoit, Director, Summer Session.

Boston College

Chestnut Hill 67, Massachusetts

Admission regulations: Bachelor's degree; major in teaching field. Applicant must be approved by department in teaching field and by department of education.

Program: 5 semester courses in teaching field; 5 semester courses in education, including practice teaching. Modern language requirement and comprehensive examination.

Time required: 2 or 3 terms, including summer term. Students may begin in February, June, or September.

Financial aid: Eligibility for regular graduate school aid funds.

Certification: Massachusetts and most other states.

Application deadline: March 1 and Dec. 1.

Address inquiries to: Dean of the Graduate School.

Boston University

Boston 15, Massachusetts

Admission regulations: Bachelor's degree; major in chemistry and supporting work in related sciences. Program is 5-year undergraduate-graduate sequence for Boston University students, but graduates of other colleges are also eligible for admission to fifth year.

Program: 5-year sequence must include (roughly) 48 hours in chemistry, 18 hours in physics, 12 hours in mathematics, 15 hours in education, and 6 hours in practice teaching. If these totals are not reached within 5 years, longer period of study required. Total graduate study normally required: 30–32 hours.

Time required: 1 academic year, ordinarily.

Special characteristics: NCATE. Program begins first year of operation in September 1960. Expansion to additional fields anticipated in future years.

Financial aid: Some students selected as paid teaching fellows in general chemistry course for undergraduates, in addition to regular practice teaching.

Certification: Massachusetts and most other states.

Application deadline: Aug. 1.

Address inquiries to: Chairman, Department of Chemistry, 725 Commonwealth Ave.

Brown University

Providence 12, Rhode Island

Admission regulations: Bachelor's degree; major in teaching field. Experienced teachers also eligible.
Program: 8 semester courses on graduate level: 4 in teaching field, 1 in education, 1 writing thesis, 1 in practice teaching, 1 elective. Thesis required.
Time required: September–June, although additional summer may be necessary to meet all certification requirements. Part-time study allowed.
Special characteristics: Special summer courses.
Financial aid: Some tuition ($800) scholarships available.
Certification: Rhode Island and most other states.
Application deadline: April 1.
Address inquiries to: Registrar, Graduate School.

Colgate University

Hamilton, New York

Admission regulations: Bachelor's degree; 18–30 hours in teaching field; undergraduate courses in education desirable but not required. Men only.
Program: Total of 30 hours required: 12 hours in teaching field, 6 hours of thesis, 3–12 hours in education. Program flexible depending on candidate's background.

Three programs: **(1)** Cooperative Internship Program for Secondary Teachers. Summer session including practice teaching, education course, and course in teaching field, followed by one-half to three-fourths time teaching in nearby school while intern takes up to 15 hours graduate study in education and teaching field. Further graduate study during succeeding summer and/or academic year.

(2) One-Year Program for Secondary Teachers. Student engages in full-time study and practice teaching for entire academic year.

(3) Preceptorial Program for Secondary Teachers. Student serves for 2 years as half-time preceptor to Colgate freshmen while continuing graduate study.

Time required: **(1)** 2 summers and 2 semesters, ordinarily. **(2)** 2 semesters. **(3)** 4 semesters.
Special characteristics: Summer practice teaching available.
Financial aid: **(1)** Internship salary of $2,000–$3,000. **(2)** Not specified. **(3)** $1,300–$1,600 and tuition.
Certification: New York State and most other states.
Application deadline: **(1)** and **(2)** June 1. **(3)** March 1.
Address inquiries to: **(1)** and **(2)** George E. Schlesser, Chairman, Department of Education. **(3)** Glen Waas, Director, Preceptorial Studies.

Connecticut College

New London, Connecticut

Admission regulations: Bachelor's degree; major in teaching field and record of high standing. Men and women eligible.
Program: Total of 30 hours required: 6 in thesis in teaching field or in education and teaching field, 6 in practice teaching unless already fulfilled, 12 in teaching field beyond minimum requirements for undergraduate major, and sufficient number of courses in education to meet certification requirements. Foreign language examination required before end of first semester of final year.
Time required: Normally, 1 year; up to 4 years permitted in exceptional cases.
Financial aid: Not specified.
Certification: Connecticut and most other states. Program may be fitted to certification regulations of specific states.
Application deadline: May 15.
Address inquiries to: Robert Cobbledick, Director of Admissions.

Duke University

College Station, Durham, North Carolina

Admission regulations: Bachelor's degree; 12 hours in teaching field and 12 additional hours in that field or in related subjects. Requirements adjusted for candidate whose intended graduate specialization is different from undergraduate major.
Program: Two programs: **(1)** 36 hours required: 18–24 hours in education, including practice teaching, and 6–12 hours in teaching field, *or* vice versa, depending on student's background; thesis optional.

(2) 36 hours required: same requirements as above, including 6 hours as paid intern for full year; thesis optional.

Time required: **(1)** 2 semesters and one-half summer term. Part-time study allowed. **(2)** 2 full summers and intervening school year. Part-time study allowed.
Financial aid: **(1)** Some tuition scholarships. **(2)** Teacher's salary for full-time interns; tuition scholarships for first 21 hours of graduate study.
Certification: North Carolina and most other states.
Application deadline: March 1.
Address inquiries to: Allan S. Hurlburt, Director, Duke University Cooperative Program in Teacher Education.

Harding College

Searcy, Arkansas

Graduate Education Program.

Admission regulations: Bachelor's degree. Graduate Record Examination. Provisional admission only, until student earns 8 hours of credit with grades of B or better. Experienced and inexperienced candidates admitted.

Program: Total required: 30 hours on graduate level in education and teaching field; additional work on undergraduate level, in education or teaching field, may be required if candidate's background is inadequate. For secondary teaching: candidate must have 18–27 undergraduate and graduate hours in each of *two* teaching fields. For elementary teaching: 18 undergraduate and graduate hours in each of *two* academic fields or 15 undergraduate and graduate hours in *three* academic fields. Practice teaching available for undergraduate credit. Course in Bible and religion required (2 hours). Thesis optional.

Time required: Minimum of 2 semesters of full-time residence; unless extra requirements must be fulfilled, candidate can finish degree in this period. All work must be completed within 5-year period.

Financial aid: Limited number of scholarships available; loan funds.

Certification: Candidate required to meet certification requirements in state in which he plans to teach, as part of degree program.

Application deadline: Not specified.

Address inquiries to: Lloyd C. Sears, Dean, Graduate Education Program.

Harvard University and Radcliffe College Graduate School

Cambridge 38, Massachusetts

Admission regulations: Bachelor's degree; major in teaching field. Graduates of Twenty-nine Colleges given priority for admission, but graduates of other colleges are also eligible.

Program: Two programs: **(1)** Apprenticeship. Courses in teaching field, 8 hours; courses in education, 16 hours; practice teaching, 8 hours. Total graduate credit: 32 hours.

(2) Internship. Summer session of practice teaching, 6 hours, and course work in education, 4 hours; followed by 1 semester of course work, largely in teaching field (12 hours in teaching field, 8 hours in education), and 1 semester as full-time intern in local school, 4 hours, supervised by school and university. Total graduate credit: 34 hours.

Time required: (1) 2 semesters. **(2)** Summer and 2 semesters.

Special characteristics: NCATE. Appraisal examinations offered in some required education courses; successful appraisal enables students to substitute electives in arts and sciences or in education.

Financial aid: (1) 25 scholarships, $200–$1,500, for Twenty-nine College graduates; 15 unrestricted scholarships, $200–$1,500; 20 Sloan scholarships, $2,000 each, for students in science and mathematics. Loan funds. **(2)** Eligibility for above scholarships and loans; also 65 internships carrying $1,800 stipend during semester of teaching.

Certification: Massachusetts and most other states.

Application deadline: March 1.

Address inquiries to: Admissions Office, 3 Lawrence Hall.

Indiana University

Bloomington, Indiana

Admission regulations: Bachelor's degree; 18 hours in teaching field. Primarily for experienced teachers, but inexperienced also admitted.

Program: 36 hours, including at least 20 in teaching field. Work in education, including practice teaching, sufficient for certification, if not already completed as undergraduate.

Time required: Ordinarily 1 academic year and 1 summer session; some students require 2 summer sessions.

Special characteristics: NCATE. Degree called "Master of Arts for Teachers."

Financial aid: 5 fellowships, worth $200 and remission of fees, to students in chemistry; 2 fellowships, worth $1,200 and remission of fees, to students in chemistry, mathematics, and physics. Smaller scholarships in other fields. Candidates eligible to compete for general university fellowships.

Certification: Indiana and most other states.

Application deadline: April 1.

Address inquiries to: Dean of the Graduate School.

Johns Hopkins University

Baltimore 18, Maryland

Admission regulations: Bachelor's degree; applicants should not previously have completed teacher-training programs.

Program: Internship only. Summer of course work in education; 1 semester as full-time intern, supervised by school and university, with minimal study load; 1 semester at university as full-time student in teaching field. Intern positions located in public and private schools in and near Baltimore and in Hagerstown, Md.

Time required: 1 summer and 2 semesters.

Financial aid: Each student receives $1,875 teaching salary and minimum of $460 scholarship toward tuition.

Certification: Maryland and most other states.

Application deadline: March 1.

Address inquiries to: John Walton, Director, M.A.T. Program.

Mount Holyoke College

South Hadley, Massachusetts

Admission regulations: Bachelor's degree. Women only.
Program: Total required: 27 hours, including at least 15 on advanced level. Partly in teaching field and partly in education, proportion depending upon previous preparation.
Time required: 2 semesters.
Financial aid: Not specified.
Certification: Massachusetts and most other states; common certification requirements must be met as part of degree program.
Application deadline: Not specified.
Address inquiries to: Chairman, Department of Psychology and Education.

Oberlin College

Oberlin, Ohio

Admission regulations: Bachelor's degree; major or an equivalent in one or two of the traditional academic subjects.
Program: Internship program. 34 hours, including 14 in major and related fields, 12 in basic courses in education, and 8 in a teaching internship.
Time required: Summer (6 weeks) and 1 academic year.
Special characteristics: Special summer course emphasizing independent study.
Financial aid: Each student receives approximately $1,500 from the teaching internship and $800 scholarship toward tuition.
Certification: Ohio and most other states.
Application deadline: April 1.
Address inquiries to: Andreas M. Kazamias, Director, Master of Arts in Teaching Program.

Radcliffe College

Cambridge, Massachusetts

See description under Harvard University and Radcliffe College Graduate School, p. 12.

Smith College

Northampton, Massachusetts

Admission regulations: Bachelor's degree; minimum of 18 hours in teaching field, not including introductory course. Applicants with 1 or 2 years teaching experience must show evidence of high competence as teachers. Women only.
Program: Total required: 27 hours. Student without teaching experience takes 9 hours in teaching field, 9 hours in education, 6 hours of electives, and 3 hours in combined seminar on methods and materials in teaching field and practice teaching. Practice teaching includes assistantship in elementary college course and limited practice teaching in nearby school. Student with teaching experience takes 12 hours in teaching field, 9 hours in education, and 6 hours of electives; practice teaching not required.
Time required: 2 semesters.
Special characteristics: In order to meet practice teaching requirements of certain states, student may have to gain additional practice-teaching credit, beyond that available at Smith, in summer session at another institution.
Financial aid: Regular graduate studies fellowships and scholarships available.
Certification: Massachusetts and most other states, but see "Special Characteristics," above.
Application deadline: As early as possible, but until Sept. 1.
Address inquiries to: Kenneth W. Sherk, Director of Graduate Study.

University of Chicago

Chicago 37, Illinois

Admission regulations: Bachelor's degree; good undergraduate record with major in teaching field.
Program: First year: minimum of 6 quarter courses in teaching field; a 2-quarter seminar in education; 3 quarters as part-time aide in University High School. Second year: full-time teaching in cooperating school under supervision of university and school personnel, reduced course load at university, and brief summer workshop on problems of teaching.
Time required: 2 academic years.
Special characteristics: NCATE. Program to start its first year in September 1960.
Financial aid: Special fellowships and assistantships for first year of study. Teacher's salary (in proportion to teaching load assumed) paid to participant during second year of program.
Certification: Illinois and most other states.
Application deadline: For scholarships: Feb. 15. For regular admission: end of spring quarter in each academic year.
Address inquiries to: Herman G. Richey, Dean of Students, Graduate School of Education.

University of Massachusetts

Amherst, Massachusetts

Admission regulations: Bachelor's degree; major in teaching field.
Program: Total required: 30 hours, including 18 hours in education and practice teaching, and 12 in teaching field (6 hours in teaching field must be in upper-level courses). Additional work in teaching field may be required if candidate's background is inadequate.

Two programs: **(1)** Regular academic year study.

(2) Summer of education courses, 18 hours. Practice teaching for first 8 weeks of fall semester, often in school in which candidate continues as regular teacher for remainder of academic

year. Part-time study in teaching field during second semester and during second summer if candidate teaches all year; full-time study in teaching field during second semester and, by choice, during second summer if student teaches only one semester.

Time required: (1) 2 semesters, unless extra study prescribed. (2) 2 summers and 2 semesters, unless extra study prescribed or candidate does not teach during second semester.

Special characteristics: University assists trainee in securing year's teaching position to follow special summer program.

Financial aid: Regular teacher's salary during period following practice teaching; possibility of salary during practice teaching.

Certification: Massachusetts and most other states.

Application deadline: As far in advance as possible.

Address inquiries to: Dean of the Graduate School, South College.

Vanderbilt University

Nashville 5, Tennessee

Admission regulations: Bachelor's degree; major in teaching field; evidence of high scholarship.

Program: Total required: 40 hours, including approximately 20 hours in education and practice teaching and approximately 20 hours in teaching field. Program flexible to provide for student's interests.

Two programs: (1) Full-time internship for one semester.

(2) Practice teaching for half-day, 5 days a week, for 1 semester.

Time required: 2 semesters and 1 summer, beginning either in summer or in fall term.

Special characteristics: Courses in methods and practice teaching are given at George Peabody College for Teachers in Nashville; facilities of both Vanderbilt and Peabody are available to students.

Financial aid: Fellowships from $600–$2,500. Half-year's teacher's salary in internship program.

Certification: Tennessee and most other states.

Application deadline: Not specified.

Address inquiries to: Registrar, Graduate School.

Wesleyan University

Middletown, Connecticut

Admission regulations: Bachelor's degree. Interview recommended.

Program: Oral examination at conclusion of period of study.

Two programs: (1) One-year program, for students with some undergraduate work in education: 30 hours, including 12–18 in teaching field, 3–6 in practice teaching, 9–12 in education.

(2) Two-year program: 48 hours, including 21 in teaching field, 12 in practice teaching, 15 in education. In addition, candidate is involved throughout 2 years in noncredit field work in nearby schools, taking leadership roles in athletics, extracurricular activities, and community activities.

Time required: (1) 2 semesters and 1 summer session. (2) 4 semesters.

Special characteristics: (2) Students receive Diploma of Further Study as well as Master of Arts in Teaching.

Financial aid: Scholarships up to $1,800 for single students; up to $3,000 for married students with dependents.

Certification: Connecticut and most other states.

Application deadline: April 1.

Address inquiries to: Reginald D. Archambault, Acting Chairman, Master of Arts in Teaching Program, Weeks House.

Yale University

New Haven, Connecticut

Admission regulations: Two programs: (1) Regular program: bachelor's degree; major in teaching field. Graduate Record Examination. Reading knowledge of French or German.

(2) Joint Yale-Smith-Vassar Program: senior standing at Smith, Vassar, Yale, or other liberal arts college, and written recommendations from department chairman and dean approving transfer and agreeing to award of bachelor's degree after year of study at Yale. Apply at end of junior year. Beginning of major in teaching field. Reading knowledge of French or German.

Program: (1) Three 1-year courses in teaching field, one 1-year course in history and philosophy of education. Sixth year of paid, supervised teaching New Haven area school and weekly seminar.

(2) Senior year at Yale in study of history and philosophy of education; graduate courses in teaching field. Fifth year of paid, supervised teaching in New Haven area school and weekly seminar. At conclusion of first year, student receives bachelor's degree from cooperating college. At conclusion of second year, Master of Arts in Teaching degree from Yale.

Time required: (1) and (2) 4 semesters.

Special characteristics: NCATE. Exemption from education courses at Yale granted for previous education courses. Courses in education are taught by liberal arts faculty.

Financial aid: Scholarships available to student in either program in accordance with need; also loan funds. Student earns full teacher's salary for year of teaching.

Certification: Connecticut and most other states.

Application deadline: Financial aid: Feb. 1. Regular admission: June 1.

Address inquiries to: (1) Director, Office of Teacher Training, Hall of Graduate Studies, York St. (2) Office of the Dean at Smith, Vassar, and other colleges; Director of Teacher Training at Yale.

Section B

OTHER MASTER'S DEGREE PROGRAMS FOR SECONDARY SCHOOL TEACHING

The typical program in this category is administered by a school or college of education. The student is normally (though not always) required to undertake a substantial amount of work in his teaching field, outside the school of education. Completion of the program most often results in a Master of Education degree, although other degrees are awarded. The programs meet requirements for certification on the secondary level in most states. Unless otherwise specified, programs are open to both men and women.

Adelphi College

Garden City, Long Island, New York

Secondary Internship Program.

Admission regulations: Bachelor's degree. Appointment to teaching position in Nassau County, N.Y., Second Supervisory District, on temporary certificate, and recommendation of employing principal.

Program: First year of actual teaching is supervised by school and college representatives, gives 6 hours credit. Weekly seminars throughout year. Candidate completes 15 additional hours in education, 9 hours in teaching field, and thesis during succeeding academic years.

Time required: Maximum of 5 years, part time.

Special characteristics: Open only to students who, after discussion with Adelphi representative, have obtained teaching positions on temporary certificates in Nassau County, Second Supervisory District.

Financial aid: Teacher's salary throughout.

Degree awarded: Master of Arts.

Certification: New York State and most other states.

Application deadline: Sept. 1.

Address inquiries to: Director, Division of Graduate Studies.

Boston University

Boston 15, Massachusetts

Master of Education Degree in the Teaching of Secondary School Subjects.

Admission regulations: Bachelor's degree; major in teaching field (or extra time required). Screening test during registration. Interview recommended.

Program: Total required: 30 hours on graduate level, including 18 hours in education, 3 hours in practice teaching, and 9 hours in teaching field; 3 hours on undergraduate level in practice teaching. Additional study in teaching field required if student's background is inadequate. Thesis optional.

Time required: 2 semesters if full time and no extra study required. Full-time status in university during semester of practice teaching recommended. Program must be completed within 6-year period.

Special characteristics: NCATE.

Financial aid: Limited number of scholarships available. Loan funds.

Degree awarded: Master of Education.

Certification: Massachusetts and most other states.

Application deadline: At least 1 month before intended date of entry.

Address inquiries to: Registrar, School of Education, 332 Bay State Road.

Brooklyn College

Brooklyn 10, New York

Accelerated Program.

Admission regulations: Bachelor's degree; no undergraduate courses in education.

Program: 20 hours of undergraduate education courses, including practice teaching, earned during academic year, leading to provisional New York State certificate. During preceding and succeeding summer sessions and academic year, full-time student accumulates 22 additional hours in teaching field and in education on graduate level. Remainder of 8 graduate hours required for degree must be obtained on part-time basis.

Total required: 50 hours, graduate and undergraduate.
Time required: 2 summers and 1 academic year; additional part-time study.
Special characteristics: NCATE.
Financial aid: Not specified.
Degree awarded: Master of Arts.
Certification: New York State and most other states.
Application deadline: Not specified.
Address inquiries to: Carleton Washburne, Director, Accelerated Program, Division of Graduate Studies.

Canisius College

Buffalo 8, New York

Experimental Teacher-Training Program: Plan I.
Admission regulations: Bachelor's degree; major in teaching field; 8-12 hours in undergraduate education courses desirable but not required.
Program: Initial summer or course work in education (8 hours), followed by year of full-time, paid intern teaching in nearby high school, under school and college supervision, and further course work in education (6 hours). Second summer of course work in education (4 hours) and in teaching field (2 or 4 hours). For degree, total of 18 hours in education and 14 hours in teaching field are required.
Time required: Usually 2 academic years and 2 summers.
Special characteristics: College aids student to obtain internship position.
Financial aid: Deferred payment plan; loans under National Defense Education Act program; full-time teacher's salary as intern.
Degree awarded: Master of Science in Education.
Certification: New York State and most other states.
Application deadline: Program normally begins in summer session. Students may begin in fall or spring with elective courses.
Address inquiries to: Director, Graduate Division.

The City College

New York 31, New York

Admission regulations: Bachelor's degree; major in teaching field; 12 hours in undergraduate education courses, including practice teaching.
Program: Total required: 42 hours, graduate and undergraduate. Student enrolls in 12 hours of undergraduate education courses, including 2 hours of practice teaching (see Special Characteristics below). In addition, 9 hours in graduate education courses and 21 hours in teaching field are required. Speech and medical examination; thesis *or* comprehensive examination.
Time required: Minimum of 2 semesters. Customarily 2 semesters and 1 summer.
Special characteristics: NCATE. If student has substitute teacher's license, he may offer 160 days paid substitute teaching in New York City schools instead of 2 hours of practice teaching; when this substitution is made, an elective in education must be offered in place of practice teaching.
Financial aid: Qualified residents of New York State admitted tuition-free.
Degree awarded: Master of Arts or Master of Science in Education, depending on teaching field.
Certification: New York State and most other states.
Application deadline: Nov. 1 for spring semester; April 1 for fall semester.
Address inquiries to: Dean, School of Education.

College of St. Rose

Albany 3, New York

Admission regulations: Bachelor's degree; major in teaching field. Graduate Record Examination. Interview.
Program: 18–24 hours in education, exclusive of practice teaching. 6–12 hours in teaching field. Comprehensive examination.
Time required: 5 successive summers, if done on summer session basis; *or* 2 or more semesters, as full-time student.
Financial aid: Not specified.
Degree awarded: Master of Science in Education.
Certification: New York State and most other states.
Application deadline: Not specified.
Address inquiries to: Director of the Graduate Division.

Colorado State College

Greeley, Colorado

Admission regulations: Bachelor's degree, with considerable course work in teaching field.
Program: Total required: 45–60 quarter hours, including up to 15 quarter hours in education on graduate level, 15 quarter hours in education on undergraduate level (including practice teaching), and 30 quarter hours in teaching field or in elementary education on graduate level. If candidate's background is inadequate, further requirements may be specified. Thesis optional.
Time required: 4 quarters full time, or 4 summers full time (2 sessions each summer), or any combination thereof.
Special characteristics: NCATE. Preparation available on both elementary and secondary levels.
Financial aid: Nominal tuition. National Defense Education Act loan funds.
Degree awarded: Master of Arts.
Certification: Colorado and most other states.

Application deadline: 30 days prior to beginning of quarter in which student wishes to start.
Address inquiries to: Sam G. Gates, Dean of the Graduate Division.

Cornell University

Ithaca, New York

Admission regulations: Two programs: **(1)** Standard fifth-year program. Bachelor's degree; major in teaching field. Miller Analogies Test. Interview. Acceptance by both Graduate School and School of Education.

(2) Junior High School Project. Same as above, but only students with majors in English, mathematics, natural sciences, or social sciences are eligible.

Program: **(1)** Total required: 30 hours, including 18 hours in education and practice teaching, 6 hours in education and/or teaching field, and 6 hours of electives, *not* in education or teaching field. Thesis. Of total hours, 17 hours are chosen with adviser and graduate committee.

(2) Total required: sufficient for certification (approximately 30 hours) in education and teaching field. Fall semester of study in education and teaching field, followed by spring term as intern in nearby junior high school, with concurrent seminars and conferences. Succeeding summer in education and teaching field.

Time required: **(1)** 2 semesters and probably 1 summer. **(2)** 2 semesters and 1 summer.
Special characteristics: NCATE. **(2)** Project is experiment in preparation of junior high school teachers.
Financial aid: **(1)** Graduate student loan funds; some scholarships and fellowships to outstanding candidates. **(2)** Stipend of $1,500 to intern.
Degree awarded: **(1)** Master of Education; Master of Arts under special circumstances. **(2)** Master of Education.
Certification: New York State and most other states.
Application deadline: March 1.
Address inquiries to: **(1)** L. B. Hixon, 112 Stone Hall. **(2)** Junior High School Project, School of Education, Stone Hall.

Florida State University

Tallahassee, Florida

Admission regulations: Bachelor's degree.
Program: Total required: 30–36 hours, including 3–6 hours observation and participation in classroom teaching.
Time required: 2 semesters and summer school as needed.
Special characteristics: NCATE. Programs available on both secondary and elementary levels.
Financial aid: Some fellowships available.
Degree awarded: Master's; type not specified.
Certification: Florida and most other states.
Application deadline: Semester or summer before entrance.
Address inquiries to: Mode L. Stone, Dean, School of Education.

George Peabody College for Teachers

Nashville 5, Tennessee

Carnegie Graduate Fellowship Program.
Admission regulations: Bachelor's degree; major in teaching field; no education majors accepted. Preference given to graduates of Southern colleges.
Program: 4 quarters in education, teaching field, and practice teaching. Student may concentrate in guidance as well as academic subjects.
Time required: 4 quarters (September through August).
Special characteristics: NCATE. Intern assignments available.
Financial aid: 20 $1,000 Carnegie fellowships restricted to graduates of Southern colleges.
Degree awarded: Master of Arts.
Certification: Student develops program to meet requirements of state in which he plans to teach.
Application deadline: March 1.
Address inquiries to: Sam P. Wiggins, Dean.

George Washington University

Washington 6, D.C.

Admission regulations: Bachelor's degree.
Program: Minimum requirement: 30 or 33 hours of graduate credit in teaching field and education, including practice teaching. Student enrolls in undergraduate education courses to make up deficiencies in education; up to 12 hours of these may be counted as graduate credit. In addition, 21 hours must be taken on graduate level. Total of 48–60 hours, undergraduate and graduate, normally required for degree.
Time required: 2 semesters and 1 or 2 summers, normally.
Special characteristics: NCATE. Student normally begins teaching after 1 year of full-time study, finishes degree in summer or evening courses.
Financial aid: Some scholarships available.
Degree awarded: Master of Arts in Education.
Certification: District of Columbia and most states.
Application deadline: July 1 for fall; Jan. 1 for spring; May 1 for summer.
Address inquiries to: James Harold Fox, Dean, School of Education.

Hofstra College

Hempstead, New York

Experimental Program in Secondary Education.

Admission regulations: Bachelor's degree; major in teaching field; no course work in education; superior academic achievement. Interview.

Program: Classroom observation in regular school, totaling 65 class hours, must be completed before beginning summer program. First summer includes 8 hours in education. During succeeding year, student teaches on provisional certificate, supervised by college, and takes other course work. Second summer in education and teaching field also required. Total of 30 hours (24 in education, 6 in teaching field) needed for degree.

Time required: Normally, two 6-week summer sessions and course work during academic year. Program must be finished within 5 years.

Financial aid: Full-time teacher's salary.

Degree awarded: Master of Education.

Certification: New York State and most other states.

Application deadline: May 25.

Address inquiries to: Thomas Brown, Coordinator, Experimental Program in Secondary Education.

Indiana State Teachers College

Terre Haute, Indiana

Admission regulations: Bachelor's degree; for secondary school teaching, major and minor in teaching fields; for elementary school teaching, liberal arts subjects.

Program: Varies with background of individual and certification sought.

Time required: Varies in accordance with program. Minimum to obtain teaching certificate *and* master's degree: 2 semesters and two 5-week summer terms.

Special characteristics: NCATE. Programs available on both secondary and elementary levels. For master's degree, work beyond that required for certification is necessary.

Certification: Indiana and most other states.

Financial aid: Some graduate assistantships, teaching fellowships, and student loans available.

Degree awarded: Master's; type not specified.

Application deadline: 1 month in advance of date of intended registration.

Address inquiries to: For information regarding certification: Robert Pabst, Certification Adviser. For admission to graduate status: Elmer Clark, Associate Dean of Instruction.

Macalester College

St. Paul 1, Minnesota

Admission regulations: Bachelor's degree.

Program: Total required: 31 hours, 18–21 in teaching field and 10–13 in education, including practice teaching. Substantial graduate paper must be written; oral and written examinations.

Time required: 2 semesters full time, or 3 summer sessions full time.

Special characteristics: NCATE. Program flexible, depending on student's background. Student may prepare on either secondary or elementary level.

Financial aid: Not specified.

Degree awarded: Master of Education.

Certification: Minnesota Standard General Certificate and most other states.

Application deadline: 1 month before beginning of term in which applicant wishes to start.

Address inquiries to: R. B. Dierenfield, Director, Fifth-Year Program.

New England Conservatory of Music

Boston 15, Massachusetts

Curriculum in Music Education.

Admission regulations: Bachelor's degree; major in music equivalent to course prescribed on undergraduate level at conservatory. Audition and/or interview. Deficiencies may be made up in pre-master's course at conservatory.

Program: Total required: 30 hours. Several programs for the degree, including courses in the teaching of various instruments, secondary and elementary school music curriculum, supervision and other courses in education, and courses in music. For some sequences, project, thesis, or recital required. Transfer of credit from other institutions not allowed.

Time required: Minimum of 1 year's residence. If part time, program must be completed within maximum of 5 years.

Special characteristics: Preparation covers both elementary and secondary levels in instrumental and vocal music. Student may also elect courses in music therapy.

Financial aid: Scholarships and loans available.

Degree awarded: Master of Music.

Certification: Massachusetts. Student's program may be arranged to meet requirements of most other states.

Application deadline: For scholarships: April 15. For admission without scholarship: Aug. 15.

Address inquiries to: Jean M. Demos, Dean of Graduate Students, 290 Huntington Ave.

New York University

New York 3, New York

Integrated Graduate Teacher Education Program.

Admission regulations: Bachelor's degree.

Program: Total required: 40 hours. During fall, student observes and participates in school and social agency activities with three different age groups, elementary through secondary. After choosing one, intensive observation and participation follow, leading to practice teaching in spring. Laboratory experiences and seminars in psychology and curriculum throughout academic year. Summer seminar following year of residence. At least 6 hours in electives during year of residence.

Time required: 2 semesters and succeeding June.

Special characteristics: NCATE. Entire plan is specially organized sequence of courses, seminars, and field work. Instructional centers established by New York University in Washington Square, New York City, and in New Rochelle, N.Y.

Financial aid: Some available.

Degree awarded: Master of Arts.

Certification: New York State and most other states.

Application deadline: Aug. 1.

Address inquiries to: Ronald C. Doll, Coordinator, Integrated Graduate Teacher Education Program, School of Education.

Northeastern University

Boston 15, Massachusetts

Admission regulations: Bachelor's degree. Admission not final until completion of 12 hours of successful graduate study at Northeastern.

Program: Total required: 30 hours in education (12 courses) and 6 hours in practice teaching or 34 hours in education (11 courses) and 6 hours in practice teaching. Action Research Project, 6 hours, is optional within total requirements.

Time required: 2 semesters and summer session.

Special characteristics: Opportunities for courses in teaching field are limited.

Financial aid: Limited number of scholarships for part-time students.

Degree awarded: Master of Education.

Certification: Massachusetts and most other states.

Application deadline: Not specified.

Address inquiries to: Lester S. van der Werf, Dean, Graduate Division, College of Education, 360 Huntington Ave.

Northwestern University

Evanston, Illinois

Four-Quarter Program in Teacher Education, Secondary.

Admission regulations: Bachelor's degree; major and minor in teaching fields. Interview. Some experience with youth.

Program: Total required: minimum of 54 quarter hours, including 8 hours in education, 16 hours in practice teaching, and 24 hours in teaching field and/or education. Student encouraged to elect graduate courses in other departments in university. Practice teaching is full-time for 1 quarter. Thesis required.

Time required: 4 quarters, beginning with fall quarter.

Special characteristics: NCATE.

Financial aid: Not specified.

Degree awarded: Master of Arts in Education.

Certification: Illinois and most other states.

Application deadline: Sept. 1.

Address inquiries to: Dean, School of Education.

Rutgers, The State University

New Brunswick, New Jersey

Program in Classroom Teaching in Secondary Education.

Admission regulations: Bachelor's degree. Interview. Scholastic aptitude examination.

Program: Total required: 40 hours, including 32 hours on graduate level. Maximum of 15 hours, minimum of 7 hours, in teaching field; remainder in education, including practice teaching (unless waived; see "Special Characteristics" below).

Time required: Maximum of 6 years, part time.

Special characteristics: NCATE. First year of teaching, which usually precedes completion of the program, is accepted in lieu of student teaching.

Financial aid: Student normally is full-time teacher on emergency certificate throughout program.

Degree awarded: Master of Education.

Certification: New Jersey Limited Secondary Certificate upon completion of program, or whenever 18 hours in education and student teaching or equivalent are completed.

Application deadline: Aug. 15 for fall semester; Dec. 15 for spring semester; May 16 for summer session.

Address inquiries to: C. Winfield Scott, Director of Advanced Study, School of Education.

Southern Connecticut State College

New Haven, Connecticut

Admission regulations: Bachelor's degree.
Program: Total required: 30 hours in education and teaching field. Preparation offered in art; in junior high school English, mathematics, science, and social science; and in various psychological and guidance specialties.
Time required: 1 year full time, or 2½ years part time while teaching.
Special characteristics: NCATE.
Financial aid: Not specified.
Degree awarded: Master of Science in Education.
Certification: Not specified.
Application deadline: Not specified.
Address inquiries to: Director of Graduate Studies.

Stanford University

Stanford, California

Internship for High School and Junior College Teaching.

Admission regulations: Bachelor's degree. Program aimed at older, as well as recent, college graduates.
Program: Total required: 50 quarter hours. During summer, student takes seminars in education, 8 hours; courses in teaching field, 8 hours; and observes and assists experienced teachers in nearby high schools. During academic year, trainee serves as intern with partial teaching load under experienced teacher and takes weekly seminars in education, 18 hours combined credit. Second summer of course work in teaching field and seminars in education, 16 hours.
Time required: 2 summers and 3 quarters during academic year.
Special characteristics: NCATE.
Financial aid: Salary of $2,500–$3,000 during year of internship. Some part-tuition scholarships for summer quarter.
Degree awarded: Candidate normally eligible to receive Master of Arts at conclusion of program.
Certification: California General Secondary Credential and most other states.
Application deadline: Feb. 15.
Address inquiries to: R. N. Bush, School of Education.

Syracuse University

Syracuse 10, New York

Fifth-Year Programs in Teacher Preparation, Secondary.

Admission regulations: Bachelor's degree; major in teaching field (or longer period of study at Syracuse required). Miller Analogies Test. Interview.
Program: Total required: minimum of 30 hours, 24 hours in education, including practice teaching, and minimum of 6 hours in teaching field. Comprehensive examination in core areas of study in education and intensive examination in teaching field.
Time required: Part-time study permitted. 2 semesters, unless extra study prescribed in teaching field.
Special characteristics: NCATE.
Financial aid: Limited number of scholarships available.
Degree awarded: Master of Arts in Education or Master of Science in Education.
Certification: New York State (permanent), and most other states.
Application deadline: At least 2 months prior to proposed semester of initial attendance.
Address inquiries to: Virgil M. Rogers, Dean, School of Education, 200 Slocum Hall.

Teachers College, Columbia University

New York 27, New York

Special Pre-Service Programs Combining Certification and Master's Degree Requirements.

Admission regulations: Bachelor's degree.
Program: Total required: 32 hours. Practice teaching required in addition. Two programs:
(1) Minimum of 12 hours in courses related to teaching field and 8 hours in education courses. Remaining courses selected with adviser; student urged to choose courses in teaching field.
(2) Minimum of 12 hours in science and related subjects and 8 hours in education. Remaining courses chosen with adviser.
Time required: 1 summer and 2 semesters.
Special characteristics: NCATE. Practice teaching arranged individually but is not required for degree.
Financial aid: Not specified.
Degree awarded: (1) Master of Arts. (2) Master of Science.
Certification: New York and most other states, if practice teaching is added.
Application deadline: Aug. 1 for fall.
Address inquiries to: Teachers College Admissions Office, Columbia University, 525 West 120th St.

Temple University

Philadelphia 22, Pennsylvania

Experimental Program in Teacher Education.

Admission regulations: Bachelor's degree. No previous courses in education.
Program: Total required: 30 hours, including 18 in education and practice teaching and 12

in teaching field or electives in education. Summer Orientation to Teaching, followed by full responsibility as a teacher in a cooperating school in collaboration with team of experienced teachers and supervision from university. Seminar during first teaching year, graduate courses during second and third years. Comprehensive examination.

Time required: 1 summer and 3 academic years part time.

Special characteristics: NCATE.

Financial aid: Participants receive $3,600–$4,300 salary during first year; yearly increments thereafter.

Degree awarded: Master of Education.

Certification: Special Pennsylvania certificate initially; Pennsylvania permanent certificate, and most other states, at conclusion.

Application deadline: Not specified.

Address inquiries to: Joseph S. Butterweck, Director, Intern Teaching Program for College Graduates.

Tufts University

Medford 55, Massachusetts

Admission regulations: Bachelor's degree.

Program: Total required: 30 hours, including 15 hours in education, 6 hours in practice teaching, and 9 hours in teaching field.

Time required: 2 semesters.

Financial aid: Tuition scholarships and loan funds.

Degree awarded: Master of Education.

Certification: Massachusetts and most other states.

Application deadline: July 31.

Address inquiries to: Paul H. Flint, Acting Dean, Graduate School of Arts and Sciences.

University of Arkansas

Fayetteville, Arkansas

Fifth-Year Program in Teacher Education.

Admission regulations: Bachelor's degree; major in teaching field; at least 48 hours in general education subjects; may have 3–9 hours in education as undergraduate.

Program: Total required: 30 hours. Education courses and observation in summer and 1 year of supervised paid teaching in an Arkansas school, followed by second summer of courses in education and teaching field. Seminars and readings during teaching period.

Time required: 2 summers and 1 academic year.

Special characteristics: NCATE.

Financial aid: Beginning teacher's salary during teaching period.

Degree awarded: Master of Education.

Certification: Arkansas and most other states.

Application deadline: Not specified.

Address inquiries to: R. K. Bent, Professor of Education, College of Education.

University of Buffalo

Buffalo 14, New York

Admission regulations: Bachelor's degree; major in teaching field.

Program: Total required: minimum of 32 hours, including 19 hours in education on graduate level and minimum of 10 hours in teaching field on graduate level. Courses in education include 16 hours in "Professional Unit in Education," an integrated program which combines lectures, seminars, observation, and practice teaching. Preliminary screening examination at beginning of study; final examination in teaching field and in education.

Time required: 1 academic year full time; maximum of 5 years part time.

Financial aid: Some scholarships available.

Degree awarded: Master of Education.

Certification: New York and most other states.

Application deadline: Not specified.

Address inquiries to: University Registrar, 3435 Main St.

University of Florida

Gainesville, Florida

Admission regulations: Bachelor's degree; major in teaching field.

Program: Total required: 36 hours in education, including practice teaching. If student has taken some work in education as an undergraduate, he takes equal number of hours in teaching field during graduate program.

Time required: 2 semesters and 1 summer.

Special characteristics: NCATE.

Financial aid: Not specified.

Degree awarded: Master of Education.

Certification: Florida and most other states.

Application deadline: Not specified.

Address inquiries to: J. B. White, Dean, College of Education.

University of Illinois

Urbana, Illinois

Admission regulations: Bachelor's degree; 32 hours in one teaching field and 24 hours in second teaching field; background must include courses and/or examinations in Illinois and United States history and constitutions. Deficiencies in any of these prerequisites may be completed in program.

Program: Total required: 32 hours on graduate level, including 20 hours in education and practice teaching and 12 hours of electives; com-

pletion of unfulfilled undergraduate prerequisites in teaching fields.
Time required: 1 summer and 2 semesters. Additional time may be required to complete undergraduate prerequisites.
Special characteristics: NCATE.
Financial aid: Students may apply for loans, scholarships, and assistantships.
Degree awarded: Master of Education.
Certification: Illinois and most other states.
Application deadline: Regular registration period prior to first semester of study or summer session.
Address inquiries to: Office of Admissions, University of Illinois.

University of Michigan

Ann Arbor, Michigan

Admission regulations: Bachelor's degree.
Program: Total required: 36 hours, including 20 hours in education, 6 hours in practice teaching, and 10 hours in teaching field.
Time required: 3 semesters or equivalent part time.
Special characteristics: NCATE.
Financial aid: Not specified.
Degree awarded: Master of Science.
Certification: Michigan and most other states.
Application deadline: For fall term: nonresidents, Aug. 15; residents, Sept. 1.
Address inquiries to: Irving Anderson, Chairman, Graduate Committee, School of Education.

University of North Carolina

Chapel Hill, North Carolina

Fifth-Year Program in Teacher Education.
Admission regulations: Bachelor's degree; equivalent of major in teaching field.
Program: Total required: 51 hours, including 12 hours on undergraduate level in education; 6 hours on graduate level in education; 24 hours on graduate level in teaching field; and 1 semester as full-time student teacher in cooperating school (9 hours of undergraduate credit).
Time required: 15 months. Students must enter at the beginning of the summer term.
Special characteristics: NCATE.
Financial aid: Thirty scholarships of $2,250 each.
Degree awarded: Master of Education.
Certification: North Carolina and most other states.
Application deadline: Feb. 15.
Address inquiries to: Arnold Perry, Dean, School of Education.

University of Southern California

Los Angeles 7, California

Specialist-Teacher Program, Secondary.
Admission regulations: Bachelor's degree; major in teaching field. Acceptance as candidate by university and Los Angeles City Schools.
Program: 50 hours or more, the majority in teaching fields (major and minor). Parallel to course work: sequence of increasing classroom responsibility, first as paid teaching assistant, then as paid teaching assistant and practice teacher, then half-time intern, and finally full-time intern.
Time required: 2 academic years and intervening summer.
Special characteristics: NCATE. Emphasis on experimental teaching techniques, including television teaching.
Financial aid: Some teaching assistant salary from outset, increased to half-time and full-time intern salary in second year. Summer course work on fellowship.
Degree awarded: Normally, Master of Arts in teaching field although other arrangements are also possible.
Certification: California General Secondary Credential on or before completion of program. Provisional credential in second year.
Application deadline: Spring or summer prior to fall entry; also new classes in February.
Address inquiries to: Director, Specialist-Teacher Program, University of Southern California.

University of Wisconsin

Madison 6, Wisconsin

Admission regulations: Bachelor's degree; major and minor in teaching fields; few or no courses in education.
Program: Three programs: **(1)** Total required: 31 hours in education, including 22 hours on graduate level and 9 hours on undergraduate level in practice teaching and education.

(2) Total required: 32 hours, including 11 hours in education on graduate level, 9 hours in practice teaching and education on undergraduate level, and 12 hours in teaching field on graduate level. Courses in teaching field chosen in consultation with department in teaching field.

(3) Secondary Internship Program. Total required: 26 hours on graduate level, including 14 hours in education and 12 hours in teaching field; additional undergraduate hours in intern teaching. Courses in teaching field chosen in consultation with department in teaching field. Summer of preparation, followed by 1 semester of study and 1 semester as intern, and second summer.
Time required: **(1)** and **(2)**: 2 semesters and 1 summer. **(3)** 1 summer, 2 semesters, and second summer, in that order.

Special characteristics: NCATE.
Financial aid: (1) and (2): Regular School of Education awards available. (3) Paid internship and scholarship for first summer.
Degree awarded: (1) Master of Science in Education. (2) and (3) Master of Science in Education and [teaching field].
Certification: Wisconsin and most other states.
Application deadline: (1) and (2): 1 month in advance of date of intended registration. (3) March 1.
Address inquiries to: (1) and (2): Paul W. Eberman, Associate Dean, School of Education. (3) Norman J. Boyan, Associate Professor of Education, Department of Education.

Wagner College

Staten Island 1, New York

Admission regulations: Bachelor's degree; major in teaching field. Interview.
Program: Total required: 30 hours, including at least 15 hours in courses open only to graduate students; total includes 24 hours in education and practice teaching and 6 hours in teaching field and/or liberal arts subjects. More work in teaching field and/or liberal arts if student has some background in education. Written research report and oral examination on this report; also written comprehensive examination.
Time required: 2 semesters, if full time.
Financial aid: Not specified.
Degree awarded: Master of Science in Education.
Certification: New York State and most other states.
Application deadline: Not specified.
Address inquiries to: Dean of the Graduate School.

Washington University

St. Louis 5, Missouri

Admission regulations: Bachelor's degree.
Program: Total required: 36 hours, including at least 24 hours on graduate level; total includes 19 hours in education, 5 hours in practice teaching, and 12 hours in teaching field. Certain education courses have undergraduate prerequisites; if not previously completed, program may be lengthened. Final oral examination.
Time required: 2 semesters full time; or 2 semesters and 1 summer if undergraduate preparation is inadequate or if satisfying certification requirements of particular state.
Special characteristics: NCATE. Individual program for each student. Appraisal examinations offered in various courses in education.
Financial aid: Not specified.
Degree awarded: Master of Arts in Education.
Certification: Missouri and most other states, although certain courses required for certification in Missouri are not offered on graduate level and may not be counted toward degree; this may make summer session necessary.
Application deadline: Not specified.
Address inquiries to: Director, Graduate Institute of Education, 106 Eads Hall.

Yeshiva University

New York 19, New York

Teaching Fellowship Program.
Admission regulations: Bachelor's degree, although requirement may be waived for outstanding applicants; little or no previous work in education. Interview.
Program: Total required: 32 hours in education, practice teaching, and teaching field. Intensive summer of courses in education and classroom observations, followed by year of half-time, paid internship in Greater New York area school; while interning, fellow also takes courses at university and participates in extracurricular, guidance, and athletic functions in school. Some fellows placed for practice teaching in first semester become full-time interns during second.
Time required: One 6-week summer and 2 semesters. Fellows may postpone courses normally taken during intern year to second summer and/or second teaching year.
Special characteristics: Program operates on both secondary and elementary levels.
Financial aid: Fellow receives $2,000 salary from school system. Also some tuition scholarships.
Degree awarded: Master of Science.
Certification: New York State and most other states.
Application deadline: Not specified.
Address inquiries to: Director, Teaching Fellowship Program, Graduate School of Education, 110 West 57th St.

Section C

NONDEGREE CERTIFICATION PROGRAMS FOR SECONDARY SCHOOL TEACHING

The typical program in this category is geared to the certification requirements of a particular state or several states; candidacy for a master's degree is not involved. Included in this section are numerous programs in which the student may study on a part-time basis during evenings, week ends, and summers. Courses completed normally may be counted toward a master's degree at the institution, but considerable additional study is usually necessary to satisfy degree requirements. Some institutions award a Bachelor of Science in Education degree at the conclusion of study. Unless otherwise specified, programs are open to both men and women.

Adelphi College

Garden City, Long Island, New York

Graduate Program Leading to Certification, Secondary.

Admission regulations: Bachelor's degree.

Program: 21 hours in graduate and undergraduate education courses; additional work in student's teaching field required for New York State provisional certificate (total required varies from 12 to 36 hours, graduate and undergraduate, depending on field). Half-day of practice teaching required daily, 6 hours credit, for full semester. New York State permanent certificate granted after 30 hours graduate course credit.

Time required: For provisional certificate, 1–2 semesters. For permanent certificate, 2 semesters or longer if study is part time or partly undergraduate.

Special characteristics: Graduate courses may be applied to later Master of Arts study if appropriate to program.

Financial aid: Some available.

Certification: New York State provisional or permanent, secondary level; and most other states.

Application deadline: Jan. 1, June 1, or Sept. 1, depending on applicant's plan of study.

Address inquiries to: Director, Division of Graduate Studies.

Bowling Green State University

Bowling Green, Ohio

Admission regulations: Bachelor's degree in liberal arts or business administration.

Program: Student must complete at Bowling Green, or have completed at undergraduate college, total of 17 hours in education, 8 hours in practice teaching, and 9–45 hours in teaching field (total in teaching field depends on subject; most academic subjects require 15–27 hours). Student enrolls at Bowling Green in those courses which he has not previously taken.

Time required: 1 semester or longer, depending on student's background.

Special characteristics: NCATE. Bachelor of Science in Education awarded to students who complete all requirements for the degree.

Financial aid: Not specified.

Certification: Ohio and most other states.

Application deadline: Not specified.

Address inquiries to: Director of Admissions Office.

Brigham Young University

Provo, Utah

Admission regulations: Bachelor's degree; no previous study in education.

Program: Courses in education, practice teaching, and teaching field sufficient to meet certification requirements. Courses are on undergraduate level.

Time required: 2 semesters and 1 summer, normally.

Special characteristics: NCATE. Programs available on both secondary and elementary school levels.
Financial aid: Not specified.
Certification: Utah and most other states.
Application deadline: At least 1 month in advance of date of intended registration.
Address inquiries to: Director, Teacher Certification Office, Room 111, David O. McKay Building.

C. W. Post College of Long Island University

Brookville, New York

Experimental Program for Secondary Teachers.
See description under University of the State of New York, p. 30.

Claremont Graduate School

Claremont, California

Teaching Internship Program.
Admission regulations: Bachelor's degree; little or no work in education. Candidate must be accepted by both cooperating school district and Claremont. Program also open to candidates possessing master's degree in teaching field, for whom shorter period is required.
Program: 8-week summer of study in education and apprentice teaching is followed by semester as full-time, supervised intern in cooperating school, and by second semester as full-time student in teaching field and in education at Claremont. Second summer at Claremont, in teaching field and education, is optional.
Time required: 2 semesters and 2 summers, ordinarily. Longer to qualify for master's degree.
Special characteristics: Intern earns 22 hours in education and half of required number of hours for Master of Arts in teaching field or in education; satisfies residence requirement for master's.
Financial aid: Salary of approximately $2,250 as intern for 1 semester; supplementary loans and scholarships available. Interns possessing master's degree may arrange to teach for 2 semesters.
Certification: California General Secondary Credential and most other states.
Application deadline: March 1.
Address inquiries to: Arthur R. King, Jr., Director, Secondary Internship Program, Harper Hall.

Colgate University

Hamilton, New York

Experimental Program for Secondary Teachers.
See description under University of the State of New York, p. 30.

Dickinson State Teachers College

Dickinson, North Dakota

Admission regulations: Bachelor's degree; no courses in education. Must be recommended by undergraduate college.
Program: Courses in education and practice teaching totaling 24 quarter hours. Student urged to take 2 quarters of student teaching, in major and minor areas.
Time required: 2 academic quarters.
Special characteristics: NCATE.
Financial aid: None available.
Certification: First-grade certificate valid in North Dakota for 3 years; after 2 years of teaching student is eligible for life first-grade certificate.
Application deadline: Not specified.
Address inquiries to: Gordon B. Olson.

Fordham University

Bronx 58, New York

Experimental Program for Secondary Teachers.
See description under University of the State of New York, p. 30.

Gonzaga University

Spokane 2, Washington

Admission regulations: Bachelor's degree.
Program: Concentration in education: methods of teaching, child psychology, practice teaching, etc. Also study in teaching field.
Time required: Spring semester and 1 summer session.
Certification: Washington and most other states.
Financial aid: Government loans available.
Application deadline: Jan. 15.
Address inquiries to: William Osborne, Acting Dean of Education.

Harvard University

Cambridge 38, Massachusetts

Harvard-Newton Summer Program.
Admission regulations: Students from the Twenty-nine Colleges group are given priority of admission, but graduates of other colleges are also eligible. Student must have taken two courses in education before beginning summer work. Two programs have different admission regulations: **(1)** Bachelor's degree. **(2)** Junior standing in college.
Program: Two programs: **(1)** Summer-only status. 1 summer session consisting of morning of practice teaching and observation; afternoon of course work in education. Total graduate credit: 10 hours.

(2) Junior observer status. 2 summer sessions. First consists of morning of observation and afternoon of course work in education. Total undergraduate credit: 8 hours. Student expected to return for second summer after college graduation for practice teaching and further work in education. Total graduate credit: 10 hours.

Time required: Summer sessions last 6 weeks.

Special characteristics: NCATE. Harvard-Newton Summer program is training school for Harvard interns (see pp. 12 and 33), to which limited number of summer-only students are admitted. Courses applicable toward later master's degree study, if applicant is admitted to degree candidacy. Program operates in Newton, Mass., public schools.

Financial aid: Loans up to $200.

Certification: (1) 10 hours toward certification in most states. (2) 18 hours toward certification in most states.

Application deadline: May 1.

Address inquiries to: Admissions Office, 3 Lawrence Hall.

Kansas State Teachers College

Emporia, Kansas

Admission regulations: Bachelor's degree.

Program: Total of 18 hours in education, including practice teaching. Of this total, 6 hours may be on graduate level and are applicable toward master's degree.

Time required: Not specified.

Special characteristics: NCATE. Student urged to exceed program in order to strengthen preparation in teaching field. Master of Science degree awarded after further study.

Financial aid: Not specified.

Certification: Kansas and other states.

Application deadline: Not specified.

Address inquiries to: Alex A. Daughtry, Chairman, Division of Teacher Education.

Kent State University

Kent, Ohio

Program C.

Admission regulations: Bachelor's degree, including minimum of 72 hours in language arts, social studies, and science. Interview. Proficiency tests.

Program: Total of 41–48 quarter hours, depending on student's background, in education and teaching field. 34 quarter hours in education, including practice teaching, normally required; 10 quarter hours in one or two subdivisions of teaching field, or more if background is inadequate. Additional work in liberal arts subjects (not including teaching field) if record in these subjects totals less than 72 hours.

Time required: 3 quarters unless deficiencies exist in teaching field or general background.

Special characteristics: NCATE. Courses in teaching fields may be on graduate level, applicable toward master's degree.

Financial aid: Not specified.

Degree awarded: Bachelor of Science in Secondary Education.

Certification: Ohio and most other states.

Application deadline: Not specified.

Address inquiries to: Richard Rotzel, Director of Admissions.

Lesley College

Cambridge 38, Massachusetts

Practicum for Graduates of Liberal Arts Colleges.

Admission regulations: Bachelor's degree.

Program: Total required: 32 hours in education and practice teaching.

Two programs: (1) Summer of 9 hours in education and practice teaching, followed by afternoon and evening courses during succeeding academic year, while teaching; second summer of course work.

(2) Summer of 9 hours in education and practice teaching, followed by academic year of full-time course work.

Time required: (1) Two 6-week summers and 2 part-time semesters. (2) One 6-week summer and 2 semesters.

Special characteristics: NCATE. Program is planned sequence of courses. First summer emphasizes teaching of various elementary school subjects.

Financial aid: (1) Full-time teacher's salary during academic year. (2) Some fellowships available.

Degree awarded: Master of Education or Master of Science in Education.

Certification: Massachusetts and most other states.

Application deadline: Not specified.

Address inquiries to: Clara M. Thurber, Dean of the College, 29 Everett St.

Long Island University

Brooklyn 1, New York

Experimental Program for Secondary Teachers.

See description under University of the State of New York, p. 30.

NOTE: C. W. Post College of Long Island University, Brookville, New York, also offers the Experimental Program for Secondary Teachers.

New York University

New York 3, New York

Experimental Program for Secondary Teachers.

See description under University of the State of New York, p. 30.

Ohio University

Athens, Ohio

Nondegree Program for Secondary School Teaching.

Admission regulations: Bachelor's degree; no courses in education.

Program: Total required: 20 hours in education, including 7 hours in practice teaching and observation during second semester. Further work in teaching field if candidate's background is inadequate (15 to 30 hours on undergraduate level, depending on field, is minimum).

Time required: Normally, 1 academic year. Longer if background in teaching field is inadequate.

Special characteristics: NCATE. Certain courses may be taken by correspondence.

Financial aid: None available.

Certification: Ohio and most other states.

Application deadline: Not specified.

Address inquiries to: F. N. Hamblin, Dean, College of Education.

Plymouth Teachers College

Plymouth, New Hampshire

Admission regulations: Bachelor's degree.

Program: Total required: 21 hours in education, including 6 hours in practice teaching.

Time required: 1 or 2 semesters, depending on previous background.

Special characteristics: NCATE.

Financial aid: Not specified.

Certification: New Hampshire and most other states.

Application deadline: Not specified.

Address inquiries to: Richard W. Seltzer, Dean of Instruction.

Rhode Island College of Education

Providence 8, Rhode Island

Intensive Teacher Education Program.

Admission regulations: Bachelor's degree; at least 2 years of general liberal arts work; minimum of 15 hours in teaching field. Interview.

Program: Total required: 30 hours in education, including 12 in practice teaching. Student ordinarily locates school in which to do practice teaching; college arranges with superintendent and pays cooperating teacher.

Time required: 2 semesters.

Special characteristics: Preparation on either elementary or secondary level.

Financial aid: Certain schools offer part-pay during practice teaching period.

Certification: Rhode Island and most other states.

Application deadline: At least 3 months prior to beginning of course work.

Address inquiries to: Director of Graduate Division, Mt. Pleasant Ave.

St. Bonaventure University

St. Bonaventure, New York

Experimental Program for Secondary Teachers.

See description under University of the State of New York, p. 30.

St. John's University

Jamaica 32, New York

Experimental Program for Secondary Teachers.

See description under University of the State of New York, p. 30.

San Francisco State College

San Francisco, California

Teacher Recruitment and Training Program.

Admission regulations: Bachelor's degree; little or no work in education. Interviews.

Program: Semester of morning observation and afternoon seminars in education. Second semester of almost full-time practice teaching and late afternoon seminars in education. Succeeding summer session required: individually planned program of courses for each student.

Time required: 2 semesters and 1 summer.

Special characteristics: NCATE. No degree awarded. San Francisco Unified School District officials interview and approve participants, who later practice-teach in San Francisco schools. Preparation on either elementary or secondary level.

Financial aid: $125 per month to each trainee.

Certification: California General Secondary Credential, or California General Elementary Credential, depending on specialization during program. Equivalent certification in most other states.

Application deadline: Not specified.

Address inquiries to: Mary C. McCarthy, Director.

Stanford University

Stanford, California

General Secondary Credential Program.

Admission regulations: Bachelor's degree; overall average of B— (2.75) or better; minimum of 36 quarter hours in general liberal arts subjects.

Program: Total required: 40 quarter hours in graduate level education courses at Stanford, including 9 quarter hours in practice teaching. Requirement in U.S. Constitution, 3 hours or ap-

praisal examination; requirement in audio-visual techniques, 1 hour; requirement in speech, 3 hours or previous course (see "Special Characteristics" below).

Time required: 3 quarters, at least 2 of them in full-time study.

Special characteristics: NCATE. Certain required courses may be waived on basis of previous background, which permits electives within 40 hour requirement.

Financial aid: Not specified.

Certification: Program planned to meet requirements of California General Secondary Credential; meets equivalent requirements in most other states.

Application deadline: Fourth week of quarter previous to quarter in which applicant wishes to enroll.

Address inquiries to: G. Wesley Sowards, School of Education.

Syracuse University

Syracuse 10, New York

Admission regulations: Bachelor's degree and major in teaching field (or longer period of study at Syracuse required). Miller Analogies Test. Interview.

Program: Total required: 18 hours in education and teaching field.

Time required: 1 or 2 semesters, or more if part time, unless extra study prescribed in teaching field.

Special characteristics: NCATE.

Financial aid: Limited number of scholarships available.

Certification: New York State provisional certificate.

Application deadline: At least 1 month prior to proposed semester of initial attendance.

Address inquiries to: Virgil M. Rogers, Dean, School of Education, 200 Slocum Hall.

University of Alabama

University, Alabama

Admission regulations: Bachelor's degree.

Program: Student enrolls in courses in teaching field, liberal arts, education, and practice teaching sufficient to meet certification requirements. Student may take 2 courses on graduate level; other courses carry undergraduate credit.

Time required: Depends on student's background and plan of study.

Special characteristics: NCATE. Student registers as special postgraduate student. Graduate courses may be counted toward eventual master's degree. Programs available on both secondary and elementary levels.

Financial aid: Not specified.

Certification: Alabama and some other states.

Application deadline: Not specified.

Address inquiries to: Ralph W. Cowart, Interim Dean, College of Education.

University of California

Berkeley 4, California

Graduate Internship Program in Teacher Education.

Admission regulations: Two programs: **(1)** Secondary School Teaching. Bachelor's degree; no previous courses in education. Preference to candidate in shortage field. Appointment as intern must be secured in cooperating school district (after consultation with representative of university).

(2) Junior College Teaching. Master's degree in teaching field and broad personal experience; no previous study in education directed towards preparation for teaching. Appointment as intern must be secured in cooperating junior college (with assistance of representative of university).

Program: (1) Total required: 28 hours, including 22 hours in education and practice teaching and 6 hours in teaching field. Summer of practice teaching and education courses (combined credit, 8 hours), followed by year in full-time internship supervised by representatives of school and university, with weekly seminar (combined credit, 10 hours). Second summer of 6 hours in teaching field and 4 hours in education. Intern supervised informally by university during second year of teaching.

(2) Total required: 12 hours in education, including practice teaching. Summer of practice teaching and education seminars (combined credit, 8 hours), followed by year in full-time teaching supervised by representatives of college and university, with biweekly seminar (combined credit, 4 hours). Intern supervised informally by university during second semester of teaching.

Time required: (1) 2 summers and 2 semesters. **(2)** 1 summer and 1 semester.

Special characteristics: NCATE.

Financial aid: Beginning teacher's salary in secondary school or junior college during entire academic year.

Certification: (1) Provisional certificate during internship; California General Secondary Credential, and equivalent in most other states, upon completion of program. **(2)** Provisional credential during fall semester internship. California Junior College Credential, and equivalent in most other states, upon completion of program.

Application deadline: May 31.

Address inquiries to: Graduate Internship Program in Teacher Education, Room 3, Haviland Hall.

University of Delaware

Newark, Delaware

Postgraduate Secondary Teacher Education Program.

Admission regulations: Bachelor's degree; major in teaching field. Individual screening.
Program: Total required: 21 hours in education, including 6 hours in practice teaching.
Time required: 1 summer and 1 semester, full time.
Special characteristics: 9 hours of 21 hours required may be counted toward Master of Education degree, if later admitted to candidacy.
Financial aid: Some scholarships available.
Certification: Delaware and many other states.
Application deadline: Not specified.
Address inquiries to: William O. Penrose, Dean, School of Education.

University of Idaho

Moscow, Idaho

Admission regulations: Bachelor's degree.
Program: Courses offered in regular academic year, summer session, correspondence, and extension to permit liberal arts graduates to qualify for provisional certificate and, later, for standard certificate. Program flexible to fit background of student.
Time required: Depends on student's background; minimum, one 8-week summer school session.
Special characteristics: NCATE. Program on both secondary and elementary levels.
Financial aid: Not specified.
Certification: Idaho provisional certificate and, later, standard certificate.
Application deadline: Not specified.
Address inquiries to: J. F. Weltzin, Dean, College of Education.

University of Kansas

Lawrence, Kansas

Admission regulations: Bachelor's degree; major in teaching field; minimum of 50 hours in general liberal arts subjects, excluding teaching field.
Program: Total required: 20–27 hours in education, including 8 hours in practice teaching, depending on student's background. If background in teaching field or in liberal arts is inadequate, additional work may be required. If student has previously taken courses in education, equivalent courses at Kansas are waived.
Time required: Ordinarily, 2 semesters.
Special characteristics: NCATE. If candidate takes 30 hours or more, by choice or by requirement, he is eligible for Bachelor of Science in Education degree.
Financial aid: Not specified.
Degree awarded: See "Special Characteristics," above.
Certification: Kansas. Program sufficiently flexible to meet requirements of most states.
Application deadline: Not specified.
Address inquiries to: Kenneth E. Anderson, Dean, School of Education.

University of Maryland

College Park, Maryland

Admission regulations: Bachelor's degree.
Program: Total required: 18 hours in education. Program planned individually to fit student's background; total reduced if previous study in education. Student may begin regular teaching without practice teaching. After two years of successful teaching, practice teaching requirement waived by Maryland State Department of Education.
Time required: 1 semester or longer, depending on background and whether full or part time.
Special characteristics: NCATE. Courses available in late afternoons, evenings, Saturdays, summers, and off-campus centers.
Financial aid: Not specified.
Certification: Maryland.
Application deadline: Not specified.
Address inquiries to: Vernon E. Anderson, Dean, College of Education.

University of North Dakota

Grand Forks, North Dakota

Admission regulations: Bachelor's degree; at least 30 hours in major teaching field and 20–24 hours in minor teaching field. Deficiencies in teaching field background may be made up at North Dakota.
Program: Total required: 21 hours in education, including 4 hours in practice teaching. Additional work in teaching field may be prescribed; courses in education may be waived on basis of previous courses.
Time required: Approximately 2 semesters and 1 summer session, depending on student's previous background in education and in teaching field.
Special characteristics: NCATE.
Financial aid: Not specified.
Certification: North Dakota and most other states.
Application deadline: Not specified.
Address inquiries to: M. L. Cushman, Dean, College of Education.

University of Southern California

Los Angeles 7, California

Secondary Teacher Education Project.

Admission regulations: Bachelor's degree awarded at least 2 years prior to entrance. Limited to candidates in shortage fields. Recent college graduates not eligible. Candidate must secure promise of employment in cooperating school district.

Program: Total required: 28 hours, including usually 22 hours in education and practice teaching and 6 hours in teaching field. Courses in education and practice teaching during summer followed by year of full-time intern teaching, supervised by school and university, and Saturday or evening classes. Second summer of courses in education and teaching field.

Time required: Two 10-week summers and 1 year of intern teaching.

Special characteristics: NCATE.

Financial aid: Beginning teacher's salary during year of teaching.

Certification: California General Secondary Credential and equivalent in most other states at conclusion of program. Provisional credential before.

Application deadline: Arrangements must be completed before opening of summer session.

Address inquiries to: Director of Teacher Education, School of Education.

University of the State of New York

Albany 1, New York

Experimental Programs for Secondary Teachers of Academic Subjects.

Private institutions sponsoring programs in cooperation with the University of the State of New York: C. W. Post College of Long Island University, Brookville; Colgate University, Hamilton; Fordham University, New York City; Long Island University, Brooklyn; New York University, New York City; St. Bonaventure University, St. Bonaventure; St. John's University, Brooklyn; Yeshiva University, New York City. *See separate descriptions of programs offered at Canisius College, Buffalo (p. 16), and Hofstra College, Hempstead (p. 18), which vary somewhat from the general pattern of Experimental Programs for Secondary Teachers.*

Admission regulations: Bachelor's degree; major in teaching field. Interview.

Program: Total required: 30 hours, including 18–24 hours in education and 6–12 hours in teaching field. Initial summer of study in education leads to 5-year provisional certificate which may be converted to permanent certificate at end of 5-year period if candidate has completed specified 30 hours and has taught successfully for 2 years.

Time required: For full certification, initial summer and 2½–4 years part time and summers, depending on candidate's plan of study and rules of institution where work is taken.

Special characteristics: Course work ordinarily applicable toward master's degree, subject to rules of institution where work is taken.

Financial aid: Loan funds and part-time employment at some institutions. Teacher's salary during academic years.

Certification: See "Program" above.

Application deadline: Late June.

Address inquiries to: Director of Admissions, Experimental Program for Secondary Teachers of Academic Subjects, at individual institutions listed above.

University of Toledo

Toledo, Ohio

Certification Program for Nonprofessional Degree Holders, Secondary.

Admission regulations: Bachelor's degree; sufficient number of hours in teaching field and general liberal arts subjects to meet Ohio requirements.

Program: Total required: 18 or 21 hours in education (depending on state in which certification is desired), including 6 hours in practice teaching. Further work in teaching field may be required if background is inadequate.

Time required: At least 2 semesters.

Special characteristics: NCATE.

Financial aid: Not specified.

Certification: 18 hours: Ohio. 21 hours: Michigan and most other states.

Application deadline: Not specified.

Address inquiries to: George E. Dickson, Dean, College of Education.

University of Vermont

Burlington, Vermont

Special Fifth-Year Program in Education.

Admission regulations: Bachelor's degree; major in teaching field and broad liberal arts background.

Program: Combination of courses in education and teaching field scheduled for student in accordance with his background and type of certification desired.

Time required: Depends on student's background and interests.

Special characteristics: NCATE. In certification program, candidate may earn approximately 12 hours of graduate credit toward later Master of Education or Master of Arts in Teaching degree. Certification may be arranged on either elementary or secondary level.

Financial aid: Not specified.

Certification: Vermont.

Application deadline: Not specified.

Address inquiries to: Thomas C. King, Dean, College of Education and Nursing.

Washington University

St. Louis 5, Missouri

Mark Twain Summer Institute.

Admission regulations: Bachelor's degree; academic distinction.

Program: Under guidance of experienced teachers, students observe and teach classes. Program designed to interest outstanding students in teaching and to help meet certification requirements.

Time required: 1 summer.

Special characteristics: NCATE. Summer work applicable toward later master's degree study, if admitted to degree candidacy. Mark Twain Summer Institute is a summer school for academically superior secondary school students.

Financial aid: Limited number of scholarships available.

Certification: Not specified.

Application deadline: Not specified.

Address inquiries to: Director, Graduate Institute of Education, 106 Eads Hall.

Wayne State University

Detroit 2, Michigan

Postdegree Curriculum.

Admission regulations: Bachelor's degree; major in teaching field if planning to teach on secondary level.

Program: Minimum of 20 hours in undergraduate education courses, including practice teaching. Student may elect additional graduate courses in teaching field or field of undergraduate major. Program operates on both secondary and elementary levels.

Time required: Usually 2 semesters, particularly when student elects additional courses in teaching field.

Special characteristics: NCATE. Special summer courses available in both secondary and elementary education.

Financial aid: Not specified.

Certification: Michigan and most other states.

Application deadline: Not specified.

Address inquiries to: Assistant Dean, College of Education.

Wesleyan University

Middletown, Connecticut

Admission regulations: Bachelor's degree.

Program: Total required: 24 hours in education, practice teaching, and teaching field. Part-time or full-time study.

Time required: 2 semesters, full time; longer for part-time students.

Special characteristics: Candidates enroll as special students. Program of study arranged to fit previous background.

Financial aid: Scholarships up to $1,800 for single students; up to $3,000 for married students with dependents.

Certification: Connecticut and most other states.

Application deadline: April 1.

Address inquiries to: Reginald D. Archambault, Acting Chairman, Master of Arts in Teaching Program, Weeks House.

West Virginia University

Morgantown, West Virginia

Admission regulations: Bachelor's degree; major in teaching field.

Program: Total required: up to 20 hours in education, including practice teaching. Appropriate courses in education taken as undergraduate may be counted among 20 hours; period of fifth-year study is thereby reduced. Practice teaching may be waived if student gains regular teaching experience on provisional certificate.

Time required: Depends on student's background and plan of study.

Special characteristics: NCATE.

Financial aid: Not specified.

Certification: West Virginia and most other states.

Application deadline: Not specified.

Address inquiries to: E. K. Feaster, Dean, College of Education.

Yeshiva University

New York 19, New York

Experimental Program for Secondary Teachers.

See description under University of the State of New York, p. 30.

Section D

MASTER'S DEGREE PROGRAMS FOR ELEMENTARY SCHOOL TEACHING

The typical program in this category is administered by a school or college of education. The student is normally (though not always) required to do most of his work in education. Completion of the program most often results in a Master of Education degree, although other degrees are awarded. The program meets requirements for certification on the elementary level in most states. Unless otherwise specified, programs are open to both men and women.

Boston University

Boston 15, Massachusetts

Admission regulations: Bachelor's degree. Screening test during registration. Interview recommended.

Program: Total required: 30 hours on graduate level in education, including 3 hours in practice teaching; additional 3 hours in practice teaching on undergraduate level. Thesis optional. Program worked out individually with student, taking into account background and plans.

Time required: 2 semesters, if full time and no extra study required. Full-time study during semester of practice teaching recommended. Program must be completed within 6-year period.

Special characteristics: NCATE.

Financial aid: Limited number of scholarships available. Loan funds.

Degree awarded: Master of Education.

Certification: Massachusetts and most other states.

Application deadline: At least 1 month before intended date of entry.

Address inquiries to: Registrar, School of Education, 332 Bay State Road.

College of St. Rose

Albany 3, New York

Intensive Teacher-Training Program.

See description under University of the State of New York, p. 44.

Degree awarded: Master of Science in Education.

Colorado State College

Greeley, Colorado

See description on p. 16.

Cornell University

Ithaca, New York

Admission regulations: Bachelor's degree.

Program: Students enroll for 30 hours of course and seminar work. Fall term includes September observation and participation in nearby schools and courses in educational foundations and elementary education. Spring term includes full-time practice teaching and seminar. Written essay required for the degree.

Time required: September through June.

Special characteristics: NCATE.

Financial aid: Some fellowships and scholarships available for outstanding candidates.

Degree awarded: Master of Education.

Certification: New York and most other states.

Application deadline: March 1.

Address inquiries to: H. Wardeberg, Elementary Education, 110 Stone Hall.

Florida State University

Tallahassee, Florida

See description on p. 17.

Goucher College

Towson, Baltimore 4, Maryland

Graduate Program in Elementary School Teaching.

Admission regulations: Bachelor's degree. Ineligible if qualified for certification for elementary grades, or if recent teaching experience is more than one semester. Women only.

Program: Presession of 4 weeks in September, including 5 hours of course work and 1 hour of observation and participation, followed by semester of course work in education, 17 hours, and practice teaching, 3 hours. Second semester is full time, paid internship in Baltimore city schools and 4-hour seminar.

Time required: Presession and 2 semesters (September–June).

Financial aid: $1,825 paid by City of Baltimore during second semester. Also a few scholarships; loans.

Degree awarded: Master of Education.

Certification: City of Baltimore and most states.

Application deadline: April 1; later applications considered if openings exist.

Address inquiries to: Beulah B. Tatum, Director of the Graduate Program.

Harding College

Searcy, Arkansas

Graduate Education Program.

See description on p. 12.

Harvard University

Cambridge 38, Massachusetts

Program for Inexperienced Candidates in Elementary Education.

Admission regulations: Bachelor's degree. Graduates of the Twenty-nine Colleges given priority of admission, but graduates of other colleges are also eligible.

Program: Two programs: **(1)** Apprenticeship. Practice teaching, 8 hours, and courses in education, 24 hours, for full academic year. Total graduate credit: 32 hours.

(2) Internship. Summer session of practice teaching, 6 hours, and course work in education, 4 hours, followed by 1 semester of course work in education, 20 hours, and 1 semester as full-time intern, 4 hours, in local school, supervised by school and university. Total graduate credit: 34 hours.

Time required: **(1)** 2 semesters. **(2)** Summer session and 2 semesters.

Special characteristics: NCATE. Appraisal examinations offered in some required education courses; successful appraisal enables student to substitute electives in arts and sciences or in education.

Financial aid: **(1)** 10 scholarships ($200–$1,000) for students from the Twenty-nine Colleges; 5 unrestricted scholarships ($200–$1,500). Loan funds. **(2)** Eligibility for above scholarships and loans; also 35 internships carrying $1,800 stipend during semester of teaching.

Degree awarded: Master of Education.

Certification: Massachusetts and most other states.

Application deadline: March 1.

Address inquiries to: Admissions Office, 3 Lawrence Hall.

Macalester College

St. Paul 1, Minnesota

See description on p. 18.

National College of Education

Evanston, Illinois

Admission regulations: Bachelor's degree.

Program: Total required: 30 semester hours in education on graduate level and additional undergraduate courses in education, depending on previous background. Of 30 hours, 12 hours are in prescribed courses, remainder electives in education. Practice teaching available, 6 hours, but may not be taken until undergraduate prerequisites are completed and may not be credited toward degree. "Personality examinations" and thesis.

Time required: 2 semesters required for graduate work and time needed for undergraduate prerequisites. Part-time study permitted; degree must be completed within 6 years.

Special characteristics: NCATE.

Financial aid: Not specified.

Degree awarded: Master of Education.

Certification: Illinois and most other states.

Application deadline: Not specified.

Address inquiries to: Dean of the Graduate School, 2840 Sheridan Road.

New England Conservatory of Music

Boston 15, Massachusetts

Curriculum in Music Education.

See description on p. 18.

Northeastern University

Boston 15, Massachusetts

Admission regulations: Bachelor's degree. Admission not final until completion of 12 hours of successful graduate study at Northeastern.

Program: Total required: 30 hours in education (12 courses) and 6 hours in practice teaching;

or 34 hours in education (11 courses) and 6 hours in practice teaching. Action Research Project, 6 hours, is optional within total requirements.
Time required: 2 semesters and 1 summer session.
Financial aid: Limited number of scholarships for part-time students.
Degree awarded: Master of Education.
Certification: Massachusetts and most other states.
Application deadline: For degree candidacy: completion of 12 hours of successful graduate study at Northeastern.
Address inquiries to: Lester S. van der Werf, Dean, Graduate Division, College of Education, 360 Huntington Ave.

Northwestern University

Evanston, Illinois

Four-Quarter Program in Teacher Education, Elementary.
Admission regulations: Bachelor's degree; liberal arts background. Interview. Some experience with children.
Program: Total required: minimum of 54 quarter hours, including 20 hours in education, 16 hours in practice teaching, and 18 hours in graduate courses in other disciplines in university. Practice teaching is full time for 1 quarter. Thesis required.
Time required: 4 quarters, beginning with fall quarter.
Special characteristics: NCATE.
Financial aid: Not specified.
Degree awarded: Master of Arts in Education.
Certification: Illinois and most other states.
Application deadline: Sept. 1.
Address inquiries to: Dean, School of Education.

Rutgers, The State University

New Brunswick, New Jersey

Program in Classroom Teaching in Elementary Education.
Admission regulations: Bachelor's degree. Interview. Scholastic aptitude examination.
Program: Total required: 48 hours, including 32 hours on graduate level. Liberal arts courses may be elected, but ordinarily students take only education courses, including practice teaching (unless waived; see "Special Characteristics" below).
Time required: Maximum of 6 years, part time.
Special characteristics: NCATE. First year of teaching, which usually precedes completion of the program, is accepted in lieu of student teaching.
Financial aid: Student normally is full-time teacher on emergency certificate throughout program.
Degree awarded: Master of Education.
Certification: New Jersey Limited Elementary Certificate upon completion of program, or whenever 30 hours in education and student teaching or equivalent are completed.
Application deadline: Aug. 15 for fall semester; Dec. 15 for spring semester; May 16 for the summer session.
Address inquiries to: C. Winfield Scott, Director of Advanced Study, School of Education.

Sarah Lawrence College

Bronxville 8, New York

Admission regulations: Bachelor's degree. Interview.
Program: Student plans individual program of study with adviser designated by Committee on Graduate Studies. Practice teaching and observation available. Thesis or equivalent required.
Time required: 2 semesters minimum.
Special characteristics: Training available for certification in Early Childhood Education.
Financial aid: Limited number of scholarships available.
Degree awarded: Master of Arts.
Certification: New York State and most other states. See also "Special Characteristics" above.
Application deadline: May 1, if possible.
Address inquiries to: Committee on Graduate Studies.

Syracuse University

Syracuse 10, New York

Fifth-Year Program in Teacher Preparation, Elementary.
Admission regulations: Bachelor's degree. Miller Analogies Test. Interview.
Program: Total required: 36 hours in education, including 12 in practice teaching. Comprehensive examination in core areas of study in education and intensive examination in elementary education.
Time required: 1 summer and 2 semesters.
Special characteristics: NCATE. Part-time study permitted, but student strongly urged to spend at least 1 full academic year in full-time study.
Financial aid: Limited number of scholarships available.
Degree awarded: Master of Science in Education or Master of Arts in Education.
Certification: New York State and most other states.
Application deadline: At least 2 months prior to proposed semester of initial attendance.
Address inquiries to: Virgil M. Rogers, Dean, School of Education, 200 Slocum Hall.

Teachers College, Columbia University

New York 27, New York

Forty-Point Program in Childhood Education.

Admission regulations: Bachelor's degree.
Program: 40 hours in education and child development, including practice teaching. Individual program worked out with adviser.
Time required: 1 summer and 2 semesters.
Special characteristics: NCATE. Training available on nursery, kindergarten, and elementary levels.
Financial aid: Not specified.
Degree awarded: Master of Arts.
Certification: New York State and most other states.
Application deadline: Aug. 1 for fall.
Address inquiries to: Teachers College Admissions Office, Columbia University, 525 West 120th St.

Tufts University

Medford 55, Massachusetts

Admission regulations: Bachelor's degree.
Program: Total required: 30 hours, including 21 hours in education, 6 hours in practice teaching, and 3 hours of electives.
Time required: 2 semesters.
Special characteristics: Training available on elementary level and, in conjunction with the Eliot-Pearson School of Tufts University, on the nursery school level.
Financial aid: Limited funds available.
Degree awarded: Master of Education.
Certification: Massachusetts and most other states.
Application deadline: July 31.
Address inquiries to: Paul H. Flint, Acting Dean, Graduate School of Arts and Sciences.

University of Arkansas

Little Rock, Arkansas

Fifth-Year Program in Teacher Education.

Admission regulations: Bachelor's degree; at least 48 hours in "general education" subjects; may have 3 to 9 hours in education as undergraduate.
Program: Total required: 30 hours. Education courses and observation in summer and 1 year of supervised paid teaching in an Arkansas school, followed by second summer of courses in education and teaching field. Seminars and readings during teaching period.
Time required: 2 summers and 1 academic year.
Special characteristics: NCATE.
Financial aid: Beginning teacher's salary during teaching period.
Degree awarded: Master of Education.
Certification: Arkansas and most other states.
Application deadline: Not specified.
Address inquiries to: R. K. Bent, Professor of Education, College of Education.

University of Buffalo

Buffalo 14, New York

Admission regulations: Bachelor's degree.
Program: Total required: 36 hours, including 10–18 hours in education, 6–8 hours in psychology, and 12–15 hours in practice teaching. Courses in education include 16 hours in Professional Unit in Education, which combines lectures, seminars, observation, and practice teaching. Preliminary screening examination at beginning of study; final examination at conclusion.
Time required: 1 academic year full time; maximum of 5 years part time.
Financial aid: Some scholarships available.
Degree awarded: Master of Education.
Certification: New York and most other states.
Application deadline: Not specified.
Address inquiries to: University Registrar, 3435 Main St.

University of Delaware

Newark, Delaware

Conversion Program, Graduate Level.

Admission regulations: Bachelor's degree. Must plan to be certified in Delaware. Interview.
Program: Total required: 30 hours, including 18 hours in education and 12 in liberal arts subjects (U.S. history or world geography recommended). If student has no previous courses in education or psychology, 9 hours of undergraduate education will be required in addition to normal 30 hours of graduate credit. Practice teaching available and required, but not for credit for degree. Candidacy examination upon completion of first 9 hours of graduate study. Comprehensive examination in education and in area of liberal arts specialization at end of period of study.
Time required: Two semesters, if full time; part-time study also permitted.
Financial aid: Not specified.
Degree awarded: Master of Education.
Certification: Delaware and most other states.
Application deadline: Not specified.
Address inquiries to: William O. Penrose, Dean, School of Education.

University of Massachusetts

Amherst, Massachusetts

Master of Arts in Teaching Program.

Admission regulations: Bachelor's degree; broad undergraduate program.

Program: Total required: 36 hours, including 24 hours in education and practice teaching and 12 hours in liberal arts subjects (6 hours in liberal arts must be in upper-level courses). Additional work in education, 6 hours, optional to meet certification requirements of particular states.

Two programs: **(1)** Regular academic year and summer of study.

(2) Summer of education courses: 18 hours. Practice teaching for first 8 weeks of fall semester, often in school in which candidate continues as regular teacher for remainder of academic year. Part-time study in education and liberal arts during second semester and during second summer if candidate teaches all year; full-time study in education and in liberal arts during second semester and, by choice, during second summer if student teaches only one summer.

Time required: (1) 2 semesters and 1 summer. (2) 2 summers and 2 semesters, unless candidate elects to take additional work in education or does not teach during second semester.

Special characteristics: University assists trainee in securing year's teaching position to follow special summer program.

Financial aid: Regular teacher's salary during period following practice teaching; possibility of salary during practice teaching.

Degree awarded: Master of Arts in Teaching.

Certification: Without optional extra study in education: Massachusetts and some other states. With optional extra study in education: Massachusetts and most other states.

Application deadline: As far in advance as possible.

Address inquiries to: Dean of the Graduate School, South College.

University of Michigan

Ann Arbor, Michigan

Admission regulations: Bachelor's degree.

Program: Total required: 36 hours, including 22 hours in education, 6 hours in practice teaching, and 8 hours in electives.

Time required: 3 semesters or equivalent part time.

Special characteristics: NCATE.

Financial aid: Not specified.

Degree awarded: Master of Arts.

Certification: Michigan and most other states.

Application deadline: For fall term: nonresidents, Aug. 15; residents, Sept. 1.

Address inquiries to: Irving Anderson, Chairman, Graduate Committee, School of Education.

University of Wisconsin

Madison 6, Wisconsin

Program IV, Elementary Internship Program.

Admission regulations: Bachelor's degree; few or no courses in education.

Program: Total required: 24 hours in education on graduate level; undergraduate hours in intern teaching. Summer of preparation, followed by 1 semester of study and 1 semester as intern, and second summer.

Time required: 1 summer, 2 semesters, and second summer, in that order.

Special characteristics: NCATE.

Financial aid: Paid internship and scholarship for first summer.

Degree awarded: Master of Science in Education.

Certification: Wisconsin and most other states.

Application deadline: March 1.

Address inquiries to: B. Robert Tabachnick, Department of Education.

Wagner College

Staten Island 1, New York

Intensive Teacher-Training Program.

Admission regulations: Bachelor's degree; at least 50 hours in liberal arts courses. Interview.

Program: Total required: 30–36 hours in education, including 4 hours in practice teaching and 6 hours in electives. Initial summer of study in education and observation of classes leads to New York State provisional certificate which may be converted to permanent certificate at end of 5-year period if candidate has completed 30 hours of study and has taught successfully for 2 years. Part-time and summer study required, subsequent to first summer. Written research report and oral examination on this report; also written comprehensive examination.

Time required: Up to 5 years in part-time and summer study. Candidate may begin in winter, spring, or summer term.

Special characteristics: Program offered in cooperation with University of the State of New York (*see description of U.S.N.Y. programs, p. 44*).

Financial aid: Loan funds. Teacher's salary during academic years.

Degree awarded: Master of Science in Education provided candidate has completed minimum of 30 hours in graduate courses, of which at least 15 hours are in courses open only to graduate students.

Certification: See "Program" above. At conclusion of program, most states.

Application deadline: May 15 for summer session.

Address inquiries to: Dean, Graduate School.

Washington University

St. Louis 5, Missouri

Admission regulations: Bachelor's degree.
Program: Total required: 34–37 hours, including at least 24 hours on graduate level; total includes 26 hours in education, 5 hours in practice teaching, and 3–6 hours in electives in education or liberal arts. Certain education courses have undergraduate prerequisites; if not previously completed, program may be lengthened. Final oral examinations.
Time required: 2 semesters full time; or 2 semesters and 1 summer full time if undergraduate preparation is inadequate or if satisfying certification requirements of particular state.
Special characteristics: NCATE. Individual program for each student. Appraisal examinations offered in various courses in education.
Financial aid: Not specified.
Degree awarded: Master of Arts in Education.
Certification: Missouri and most other states, although certain courses required for certification in Missouri are not offered on graduate level and may not be counted toward degree; this may make summer session necessary.
Application deadline: Not specified.
Address inquiries to: Director, Graduate Institute of Education, 106 Eads Hall.

Yeshiva University

New York 19, New York

Teaching Fellowship Program.
See description on p. 23.

Section E

NONDEGREE CERTIFICATION PROGRAMS FOR ELEMENTARY SCHOOL TEACHING

The typical program in this category is geared to the certification requirements of a particular state, or several states; candidacy for a degree is not involved. Included in this section are numerous programs in which the student may study on a part-time basis during evenings, week ends, and summers. Courses completed normally may be counted toward a later degree at the institution, but considerable additional study is usually necessary to satisfy degree requirements. Unless otherwise specified, programs are open to both men and women.

Adelphi College

Garden City, Long Island, New York

Admission regulations: Bachelor's degree.

Program: Three programs: **(1)** Experimental Program for the Professional Education of Elementary Teachers. Total required: 30 hours in education. Summer in Adelphi Summer Demonstration School, including observation, participation, teaching of classes, and seminar, 8 hours; followed by year of teaching under supervision of school and college representatives, and weekly seminar, 6 hours. Completion of 16 additional hours in education required in summers and part time.

(2) Graduate Program Leading to Certification. Total required: up to 36 hours in education, including 12 hours in practice teaching and 9 hours in psychology, depending on student's background. Some courses may be on undergraduate level. Practice teaching is full day each weekday for 18 weeks in 1 semester, or for 9 weeks in each of 2 semesters.

(3) Intensive Teacher-Training Program. *For details not given in this exhibit, see description under University of the State of New York, p. 44.*

Time required: **(1)** Summer and academic year as teacher and part-time student. All requirements must be completed within 4 years. **(2)** 1 calendar year, or equivalent part time.

Special characteristics: **(1)** 21 additional hours in education and electives and thesis required for Master of Arts degree; size of program limited by Demonstration School capacity. **(2)** Graduate courses, if appropriately chosen, applicable toward later Master of Arts degree.

Financial aid: **(1)** Teacher's salary during academic year. **(2)** Some scholarships available.

Certification: New York State Elementary or Early Childhood, and most other states.

Application deadline: **(1)** April 15. **(2)** Jan. 1, June 1, or Sept. 1, depending on applicant's plan of study. **(3)** May 1.

Address inquiries to: Director, Division of Graduate Studies.

Bowling Green State University

Bowling Green, Ohio

Admission regulations: Bachelor's degree in liberal arts or business administration.

Program: Student must complete at Bowling Green, or have completed at liberal arts college, a total of 36 hours in education and related fields, and 8 hours in practice teaching. Student enrolls at Bowling Green in those courses which he has not previously taken.

Time required: 1 semester or longer, depending on student's background.

Special characteristics: NCATE. Bachelor of Science in Education degree awarded to students who complete all requirements for the degree.

Financial aid: Not specified.

Degree awarded: See "Special Characteristics," above.

Certification: Ohio and most other states.

Application deadline: Not specified.

Address inquiries to: Director of Admissions Office.

Brigham Young University

Provo, Utah

See description on p. 24.

Central Connecticut State College

New Britain, Connecticut

See description under Connecticut State Colleges on this page.

Claremont Graduate School

Claremont, California

Teaching Internship Program.

Admission regulations: Bachelor's degree; little or no work in education. Candidate must be accepted by both cooperating school district and Claremont.

Program: Observation and participation in cooperating school in April and May, followed by 7-week summer session in education at Claremont. Year of paid intern teaching under supervision of school and Claremont representatives. Final 6-week summer session in education at Claremont.

Time required: Approximately 16 months, from April 1 of one year, to Aug. 1 of succeeding year.

Special characteristics: Intern earns 26 hours graduate credit in education, 18 of which are applicable to Master of Arts in Education degree.

Financial aid: Salary of approximately $4,500 as intern; supplementary loans and scholarships available.

Certification: California General Elementary Credential and most other states.

Application deadline: March 1.

Address inquiries to: Malcolm P. Douglass, Director, Elementary Teacher Education Internship Program, Harper Hall.

College of St. Rose

Albany 3, New York

Intensive Teacher-Training Program.

See description under University of the State of New York, p. 44.

Connecticut State Colleges

Danbury State College, Danbury

Central Connecticut State College, New Britain

Southern Connecticut State College, New Haven 15

Willimantic State College, Willimantic

Intensive Program for College Graduates.

Admission regulations: Bachelor's degree; liberal arts background.

Program: Summer of participation and practice teaching in laboratory school and discussion of topics in educational philosophy, psychology, and elementary school curriculum. Student's teaching during first year supervised by college representative. Additional evening and/or summer courses required until student has minimum of 30 hours in elementary education.

Time required: Summer session of 8 weeks for temporary permit; at least 6 hours of credit per year thereafter, until total of 30 hours is accumulated.

Special characteristics: NCATE. Summer tuition $5.00. College assists student to secure job. Work applicable toward later Master of Science in Education degree at Connecticut colleges, which requires total of 30 hours on graduate level.

Financial aid: Some scholarships available.

Degree awarded: Master of Science in Education (see "Special Characteristics," above).

Certification: Connecticut temporary emergency permit. Further evening and summer study required for yearly renewal of permit and for permanent certification in Connecticut and most other states.

Application deadline: Desirable before May 1.

Address inquiries to: Coordinator, Intensive Program for College Graduates, at: Danbury State College; Central Connecticut State College, New Britain; Southern Connecticut State College, New Haven; Willimantic State College.

Danbury State College

Danbury, Connecticut

See description under Connecticut State Colleges on this page.

Harris Teachers College

St. Louis, Missouri

Admission regulations: Bachelor's degree. Must plan to qualify for certification in Missouri.

Program: Initial practicum in education and practice teaching, 6 hours. Classes offered in late afternoon. Student may engage in paid substitute teaching while in program but practice teaching (1 full day per week) is unpaid and separate from substitute teaching.

Time required: 1 semester.

Special characteristics: NCATE. Program sponsored by Board of Education of the City of St. Louis.

Financial aid: Not specified.

Certification: 1-year provisional certificate issued at conclusion of practicum; 4 hours additional must be completed during succeeding year. Further deficiencies must be removed at rate of 4 hours per 2-year period. Full certification when all requirements met.

Application deadline: Not specified.

Address inquiries to: L. H. Diekroeger, Assistant to the Superintendent, 5351 Enright.

Harvard University

Cambridge 38, Massachusetts

Harvard-Newton Summer Program.

Admission regulations: Students from the Twenty-nine Colleges group are given priority of admission, but graduates of other colleges are also eligible. Student must have taken 2 courses in education before beginning summer work. Two programs with different prerequisites: (1) Bachelor's degree. (2) Junior standing in college.

Program: Two programs: (1) Summer-only status. 1 summer consisting of morning of practice teaching and observation; afternoon of course work in education. Total graduate credit: 10 hours.

(2) Junior observer status. 2 summer sessions. First consists of morning of observation and afternoon of course work in education. Total undergraduate credit: 8 hours. Student expected to return for second summer after college graduation for practice teaching and further work in education. Total graduate credit: 10 hours.

Time required: Summer sessions last 6 weeks.

Special characteristics: NCATE. Harvard-Newton Summer Program is training school for Harvard interns (see pp. 12 and 33), to which limited number of summer-only students are admitted. Courses applicable toward later master's degree study, if applicant is admitted to degree candidacy. Program operates in Newton, Mass., public schools.

Financial aid: Loans up to $200.

Certification: (1) 10 hours toward certification in most states. (2) 18 hours toward certification in most states.

Application deadline: May 1.

Address inquiries to: Admissions Office, 3 Lawrence Hall.

Kent State University

Kent, Ohio

Program A

Admission regulations: Bachelor's degree, including minimum of 72 hours in language arts, social studies, and science. Interview. Proficiency tests.

Program: Total of 45 quarter hours, including minimum of 32 quarter hours in required courses in education.

Two programs: (1) Summer of education courses, totaling 20 quarter hours. Full-time teaching during academic year, resulting in 9 quarter hours of practice teaching and seminars. Second summer: 3 quarter hours in education, 13 quarter hours in electives.

(2) Fall quarter: 20 quarter hours in education. Winter quarter: practice teaching, 12 quarter hours credit. Spring quarter: 3 quarter hours in education, 10 quarter hours in electives.

Time required: (1) 2 summers and 3 quarters. (2) 3 quarters.

Special characteristics: NCATE. Maximum of 16 quarter hours of total of 45 may be on graduate level, applicable toward later master's degree.

Financial aid: (1) Full-time teacher's salary during academic year. Employing superintendent must request temporary certificate for student. (2) Not specified.

Certification: (1) After first summer, Ohio temporary certificate; on completion of full program, Ohio 4-year provisional certificate, and most other states. (2) Ohio and most other states.

Application deadline: 1 month previous to beginning of course work.

Address inquiries to: Richard Rotzel, Director of Admissions.

Long Island University

Brooklyn 1, New York

Intensive Teacher-Training Program.

See description under University of the State of New York, p. 44.

Merrill-Palmer School

Detroit 2, Michigan

Early Childhood Education Program.

Admission regulations: Bachelor's degree. Initial training for teaching should be started before study at Merrill-Palmer, although exception may be made.

Program: Study of human development, teacher-child relationship, school and community, etc. Interdisciplinary approach. Methods of teaching and courses in teaching fields *not* offered; supervised participation with groups of children offered, but *not* practice teaching. Program supplementary to introductory work leading to preparation and certification for teaching.

Time required: 1 year full-time recommended; part-time students also accepted.

Special characteristics: Up to 15 hours graduate work at Merrill-Palmer may be counted toward Master of Education degree at cooperating universities such as Western Reserve University and University of Michigan. Students urged to arrange transfer of credits before enrolling at Merrill-Palmer. Merrill-Palmer grants no degrees.

Financial aid: Fellowships, in amounts up to $3,000 available.
Certification: Certain courses satisfy specific requirements of various states.
Application deadline: Early in year in which student plans to enter.
Address inquiries to: Registrar, 71 Ferry Ave., East.

Newark State College

Union, New Jersey

Admission regulations: Bachelor's degree; few or no courses in education. Interview.
Program: Total required: 30 hours in education, including 16 hours on undergraduate level.

Two programs: **(1)** Plan A. Academic-year program. Required courses in education totaling 26 hours and 4 hours in education chosen from list of possible courses. Practice teaching is *not* included in total of 30 hours: 150 clock-hours or 1 year of successful experience required. College may prescribe additional work in liberal arts subjects if candidate's background is inadequate.

(2) Plan B. Summer demonstration classes and seminar, 6 hours, in teaching of elementary school subjects. Full-time teaching on provisional certificate during succeeding academic year, accompanied by follow-up course in teaching of elementary school subjects, 4 hours. Additional work in required and elective courses in education (20 hours) necessary for permanent certification. College may prescribe additional work in liberal arts subjects if candidate's background is inadequate.

Time required: **(1)** Academic year. **(2)** Summer session and academic year (part time), and part-time study thereafter.
Special characteristics: NCATE. Master of Science in Education degree awarded to candidates who complete additional 18 hours on graduate level.
Financial aid: Not specified.
Certification: **(1)** New Jersey and most other states. **(2)** New Jersey provisional certificate, after first summer; New Jersey permanent certificate and most other states, after completion of program.
Application deadline: Not specified.
Address inquiries to: Charles J. Longacre, Director of Summer Session.

North Central College

Naperville, Illinois

Admission regulations: Bachelor's degree.
Program: Sequence of 5 evening and summer courses, 15 hours, leading to certification to teach in elementary grades. Practice teaching included.
Time required: 2 semesters and 1 summer, part time.
Special characteristics: College assists student in securing certificate and in arranging first job. Courses offered in conjunction with adult education program in nearby schools.
Financial aid: Not specified.
Certification: Illinois.
Application deadline: Not specified.
Address inquiries to: A. R. Schwarz, Chairman, Department of Education.

Ohio State University

Columbus 10, Ohio

Admission regulations: Bachelor's degree.
Program: Total of 36 quarter hours in education, child development, and methods of teaching in the elementary school, including 8 hours in practice teaching. Summer workshop required as part of program.
Time required: 3 quarters, including summer workshop quarter. Program begins in spring quarter.
Financial aid: Limited number of scholarships available.
Certification: At conclusion of summer workshop, student eligible for Ohio provisional certificate. At conclusion of program, student eligible for Ohio permanent certificate, and most other states.
Application deadline: Not specified.
Address inquiries to: Coordinator of Student Personnel, 110 Arps Hall, College of Education, 1945 North High St.

Ohio University

Athens, Ohio

Nondegree Program for Elementary School Teaching.

Admission regulations: Bachelor's degree; no courses in education; minimum of 39 hours in general liberal arts courses, including general psychology.
Program: Total required: 30 hours in elementary education. 12 hours of required courses, including practice teaching; remainder chosen from restricted group.
Time required: 2 semesters.
Special characteristics: NCATE. Certain courses may be taken by correspondence.
Financial aid: None available.
Certification: Ohio and most other states.
Application deadline: Not specified.
Address inquiries to: F. N. Hamblin, Dean, College of Education.

Rhode Island College of Education

Providence, Rhode Island

Intensive Teacher Education Program.

See description on p. 27.

San Diego State College

San Diego 15, California

Teacher Recruitment and Training Program.

Admission regulations: Bachelor's degree. Age: 25–40; graduation from college at least two years previous to time of application to program. Interview. Resident of San Diego area.

Program: Total required: 29 hours. Observation in schools and evening course in education, 3 hours, during spring while continuing in previous employment. Summer of intensive course work in education, 9 hours. Internship under regular teachers for whole of succeeding year, 8 hours, and evening course in education, 3 hours, in spring. Second summer of courses in education, 6 hours.

Time required: Part-time spring semester followed by full-time work during following summer, 2 semesters, and second summer.

Special characteristics: NCATE. No degree awarded. Each intern is member of team of four or five interns and one experienced teacher who spends full time in their supervision. San Diego Unified School District officials interview and approve participants, who later intern in San Diego schools.

Financial aid: Three-quarters beginning teacher's salary during first internship semester; seven-eighths salary during second. Total: $3,800 for academic year.

Certification: California General Elementary Credential. Equivalent certification in most other states.

Application deadline: Jan. 15.

Address inquiries to: Manfred Schrupp, Dean.

San Francisco State College

San Francisco, California

Teacher Recruitment and Training Program.

See description on p. 27.

Southern Connecticut State College

New Haven 15, Connecticut

See description under Connecticut State Colleges, p. 39.

Stanford University

Stanford, California

General Elementary Credential Program.

Admission regulations: Bachelor's degree. Program established primarily for graduates of Stanford, who enroll in 5-year sequence.

Program: Total required: 70 quarter hours in education, including 22 quarter hours on undergraduate level. Practice teaching credit: 16 quarter hours. Certain required courses may be waived on basis of previous background.

Time required: For graduates of Stanford: 3 quarters. For graduates of other institutions, who have not taken required undergraduate courses in education: 4 quarters.

Special characteristics: NCATE. Practice teaching available on standard basis or as internship; internship may be difficult to schedule for non-Stanford graduate, and requires participation in summer courses and demonstration school.

Financial aid: Not specified, except that interns receive three-fourths regular teacher's salary.

Certification: California General Elementary Credential and most other states.

Application deadline: Not specified.

Address inquiries to: G. Wesley Sowards, School of Education.

Syracuse University

Syracuse 10, New York

Intensive Teacher-Training Program.

See description under University of the State of New York, p. 44.

University of Alabama

University, Alabama

See description on p. 28.

University of Chicago

Chicago 37, Illinois

Program in Elementary Teacher Education.

Admission regulations: Bachelor's degree. Student who has completed 3 years of undergraduate work at Chicago or elsewhere is also eligible for admission, provided certain requirements in liberal arts subjects have been met. Interview desirable.

Program: Emphasis on direct contact with children, through classroom observation, student aide work (6 weeks), and practice teaching (12 weeks). Concurrent seminars dealing with theoretical and methodological issues related to experiences with children; no formal classes. Seminars conducted by staff with assistance of consultants from education department and teach-

ing fields. Full-time study required. Total credit: 30 hours in education and practice teaching.
Time required: 1 academic year (3 quarters), starting in fall.
Special characteristics: NCATE. Graduate courses may be applied toward Master of Arts degree; program constitutes five-ninths of required course work for master's degree. Student enrolled in program as senior receives Bachelor of Arts degree from Chicago.
Financial aid: Scholarships and assistantships available.
Degree awarded: See "Special Characteristics," above.
Certification: Illinois and most other states.
Application deadline: For scholarships: Feb. 15. For regular admission: up to Sept. 1 if program is not previously filled.
Address inquiries to: Herman G. Richey, Secretary, Department of Education.

University of Delaware

Newark, Delaware

Postgraduate Elementary Teacher Education Program.
Admission regulations: Bachelor's degree. Individual screening.
Program: Total required: 40 hours in education, including 6 hours in practice teaching.
Time required: 1 summer and 2 semesters.
Special characteristics: 9 hours of 40 required may be counted toward Master of Education degree if later admitted.
Financial aid: Some scholarships available.
Certification: Delaware and most other states.
Application deadline: Not specified.
Address inquiries to: William O. Penrose, Dean, School of Education.

University of Idaho

Moscow, Idaho

See description on p. 29.

University of Kansas

Lawrence, Kansas

Admission regulations: Bachelor's degree; at least 12 hours major in one liberal arts subject, above introductory courses; minimum of 50 hours in general liberal arts subjects, excluding major field.
Program: Total required: 32 hours in education, including 8 hours in practice teaching. If student has previously taken courses in education, equivalent courses at Kansas are waived.
Time required: 2 semesters.
Special characteristics: NCATE.
Financial aid: Not specified.
Degree awarded: Bachelor of Science in Education if candidate takes 30 hours or more.
Certification: Kansas and most other states.
Application deadline: Not specified.
Address inquiries to: Kenneth E. Anderson, Dean, School of Education.

University of Maryland

College Park, Maryland

Admission regulations: Bachelor's degree.
Program: Total required: Approximately 30 hours in education. Program planned individually to fit student's background; total reduced if previous study in education. Student may begin regular teaching without practice teaching. After two years of successful teaching, practice teaching requirement waived by State Department of Education.
Time required: 1 semester or longer, depending on background and whether full or part time.
Special characteristics: NCATE. Courses available in late afternoons, evenings, Saturdays, summers, and off-campus centers.
Financial aid: Not specified.
Certification: Maryland.
Application deadline: Not specified.
Address inquiries to: Vernon E. Anderson, Dean, College of Education.

University of North Dakota

Grand Forks, North Dakota

Admission regulations: Bachelor's degree; at least 73 hours in general liberal arts courses. Deficiencies in general background may be made up at North Dakota.
Program: Total required: 37 hours in education, including practice teaching. Additional work in liberal arts may be prescribed; courses in education may be waived on basis of previous courses.
Time required: 3 semesters and 1 summer session, depending on student's previous background in education and in teaching field.
Special characteristics: NCATE.
Financial aid: Not specified.
Certification: North Dakota and most other states.
Application deadline: Not specified.
Address inquiries to: M. L. Cushman, Dean, College of Education.

University of Southern California

Los Angeles 7, California

Teacher Education Project.

Admission regulations: Bachelor's degree awarded at least two years previous to date of entering program. Candidate must receive promise of employment in cooperating school district.

Program: Total required: 29 hours in education and practice teaching. Summer of courses in education and practice teaching, 10 hours, followed by 1 year of full-time intern teaching, supervised by school and university, accompanied by evening or Saturday classes (combined total, 11 hours). Second summer of courses in education, 8 hours.

Time required: Two 10-week summers and 1 year of intern teaching.

Special characteristics: NCATE. Master of Science in Education degree granted after completion of 16 additional hours, including required practicum and thesis.

Financial aid: Beginning teacher's salary during year of teaching.

Certification: California General Elementary Credential and equivalent in most other states at conclusion of program. Provisional Credential before.

Application deadline: Arrangements must be completed before opening of summer session.

Address inquiries to: Director of Teacher Education, School of Education.

University of the State of New York

Albany 1, New York

Intensive Teacher-Training Programs.

Cooperating State University of New York Colleges of Education at Brockport, Buffalo, Cortland, Fredonia, Geneseo, New Paltz (operates summer programs at New Paltz and Farmingdale), Oneonta (operates summer programs at Albany, Oneonta, and Schenectady), Oswego, Plattsburgh, and Potsdam.

Cooperating private institutions: Adelphi College, Garden City; College of St. Rose, Albany; Long Island University, Brooklyn; Syracuse University, Syracuse; and Yeshiva University, New York City. *See separate description for Wagner College program, p. 36.*

Admission regulations: Bachelor's degree. Interview.

Program: Total required: 30 hours, over 5-year period, including 24 hours in education and 6 hours of electives. Initial summer of study in education and observation of classes leads to 5-year provisional certificate which may be converted to permanent certificate at end of 5-year period if candidate has completed specified 30 hours and taught successfully for 2 years.

Time required: For full certification, initial summer and 2½–4 years part time and/or summers, depending on candidate's plan of study and rules of institution where work is taken.

Special characteristics: Course work ordinarily applicable toward master's degree, subject to rules of institution where work is taken.

Financial aid: Loan funds and part-time employment at some institutions. Teacher's salary during academic years.

Certification: See "Program" above.

Application deadline: Late June, except for Syracuse University and Adelphi College, which have May 1 deadlines.

Address inquiries to: Director of Admissions, Intensive Teacher-Training Program, at individual institutions listed above.

University of Toledo

Toledo, Ohio

Certification Program for Nonprofessional Degree Holders, Elementary.

Admission regulations: Bachelor's degree.

Program: Total required: 30 hours in elementary education, including 6 hours in practice teaching.

Time required: 2 semesters.

Special characteristics: NCATE.

Financial aid: Not specified.

Certification: Ohio provisional certificate, convertible to Ohio permanent certificate after 2 years of successful teaching. Equivalent certificate in most states. Student is eligible for temporary 1-year certificate after first 12 hours in education, not including practice teaching, but university recommends completion of program.

Application deadline: Not specified.

Address inquiries to: George E. Dickson, Dean, College of Education.

University of Utah

Salt Lake City, Utah

Certification Program in Elementary Education.

Admission regulations: Bachelor's degree; acceptable academic preparation in fields represented in elementary school curriculum. Interview.

Program: Total required: 59 quarter hours in education, including 12 quarter hours in practice teaching. Full-time study required.

Time required: 4 consecutive quarters, commencing with autumn quarter.

Special characteristics: NCATE.

Financial aid: Not specified.

Certification: Utah and most other states.

Application deadline: Not specified.

Address inquiries to: Sam McLaughlin, Head, Department of Elementary Education.

University of Vermont

Burlington, Vermont

Admission regulations: Bachelor's degree.
Program: Two programs: **(1)** Intensive Teacher-Training Program. Summer of course work in elementary education, involving observation and participation, totaling 6 hours. Later study may result in Master's degree; total hours depend on student's background.
(2) Special Fifth Year Program in Education. *For details of this program, see p. 30.*
Time required: **(1)** 6 weeks for temporary license. Further time for full certification and degree.
Special characteristics: NCATE. **(1)** Eligible for permanent certification after additional study.
Financial aid: **(1)** Not specified.
Certification: **(1)** Vermont temporary certificate. Further evening and summer study required for permanent certificate.
Application deadline: **(1)** May 31.
Address inquiries to: **(1)** Newton Baker, Director of Teacher Certification, State Education Department, Montpelier, Vermont.

Whitworth College

Spokane, Washington

Plan for Preparing Liberal Arts Graduates as Teachers.
Admission regulations: Bachelor's degree; minimum of 16 hours in each of two fields commonly taught in schools.
Program: Total required: 25 hours in education, including 8 hours in practice teaching. First 16 hours, including practice teaching, lead to temporary Washington certification; candidate normally accepts teaching position at this time. Remaining 9 hours must be taken before second year of teaching. Candidate with insufficient background in art, music, or psychology required to take additional work.
Time required: 1 semester prior to teaching and a summer session after first year of teaching; longer, if extra study required.
Special characteristics: Additional 5 hours results in Bachelor of Education degree. All requirements except practice teaching may be met through night classes or day classes.
Financial aid: Eligibility for regular college scholarships. NDEA loan program.
Certification: Washington and most other states.
Application deadline: Not specified.
Address inquiries to: John A. LaCoste, Chairman, Department of Education.

Wayne State University

Detroit 2, Michigan

Postdegree Curriculum.
See description on p. 31.

West Virginia University

Morgantown, West Virginia

Admission regulations: Bachelor's degree.
Program: Total required: up to 30 hours in education, including practice teaching. Appropriate courses in education taken as undergraduate may be counted among 30 hours; period of fifth-year study is thereby reduced. Practice teaching may be waived if student gains regular teaching experience on provisional certificate.
Time required: Depends on student's background and plan of study.
Special characteristics: NCATE.
Financial aid: Not specified.
Certification: West Virginia and most other states.
Application deadline: Not specified.
Address inquiries to: E. K. Feaster, Dean, College of Education.

Willimantic State College

Willimantic, Connecticut

See description under Connecticut State Colleges, p. 39.

Yeshiva University

New York 19, New York

Intensive Teacher-Training Program.
See description under University of the State of New York, p. 44.

Youngstown University

Youngstown, Ohio

Admission regulations: Bachelor's degree.
Program: Total required: 30 hours in education. Initial 12 hours result in Ohio Temporary Certificate; for Standard Provisional Certificate, remaining 18 hours must be completed at rate of 6 hours per year. Practice teaching not included.
Time required: Initial 12 hours: 1 semester, if full time; longer, if part time. Remaining 18 hours: maximum of 3 years.
Financial aid: Not specified.
Certification: See "Program" above. When program is completed, Ohio and most other states.
Application deadline: Not specified.
Address inquiries to: J. F. Swartz, Head, Department of Education.

INDEXES

Letter preceding page number indicates the classification in which the description of program falls. The classifications are:

A—Master of Arts in Teaching Programs for Secondary School Teaching

B—Other Master's Degree Programs for Secondary School Teaching

C—Nondegree Certification Programs for Secondary School Teaching

D—Master's Degree Programs for Elementary School Teaching

E—Nondegree Certification Programs for Elementary School Teaching

Alphabetical Index

Adelphi College, B, 15; C, 24; E, 38
Alabama, University of, C, 28; E, 42
Arkansas, University of, B, 21; D, 35
Assumption College, A, 10

Boston College, A, 10
Boston University, A, 10; B, 15; D, 32
Bowling Green State University, C, 24; E, 38
Brigham Young University, C, 24; E, 38
Brooklyn College, B, 15
Brown University, A, 11
Buffalo, University of, B, 21; D, 35

C. W. Post College of Long Island University, C, 25
California, University of, C, 28
Canisius College, B, 16
Central Connecticut State College. *See* Connecticut State Colleges
Chicago, University of, A, 13; E, 42
City College, B, 16
Claremont Graduate School, C, 25; E, 39
Colgate University, A, 11; C, 25
College of ——. *See* most significant term
Colorado State College, B, 16; D, 32
Columbia University. *See* Teachers College, Columbia University
Connecticut College, A, 11
Connecticut State Colleges, E, 39
Cornell University, B, 17; D, 32

Danbury State College. *See* Connecticut State Colleges
Delaware, University of, C, 29; D, 35; E, 43
Dickinson State Teachers College, C, 25
Duke University, A, 11

Florida State University, B, 17; D, 32
Florida, University of, B, 21
Fordham University, C, 25

George Peabody College for Teachers, B, 17
George Washington University, B, 17
Gonzaga University, C, 25
Goucher College, D, 33

Harding College, A, 12; D, 33
Harris Teachers College, E, 39
Harvard University, C, 25; D, 33; E, 40
Harvard University and Radcliffe College Graduate School, A, 12
Hofstra College, B, 18

Idaho, University of, C, 29; E, 43
Illinois, University of, B, 21
Indiana State Teachers College, B, 18
Indiana University, A, 12

Johns Hopkins University, A, 12

Kansas State Teachers College, C, 26
Kansas, University of, C, 29; E, 43
Kent State University, C, 26; E, 40

Lesley College, C, 26
Long Island University, C, 26; E, 40

Macalester College, B, 18; D, 33
Maryland, University of, C, 29; E, 43
Massachusetts, University of, A, 13; D, 35

Merrill-Palmer School, E, 40
Michigan, University of, B, 22; D, 36
Mount Holyoke College, A, 13

National College of Education, D, 33
Newark State College, E, 41
New England Conservatory of Music, B, 18; D, 33
New York University, B, 19; C, 26
New York, University of the State of, C, 30; E, 44
North Central College, E, 41
North Carolina, University of, B, 22
North Dakota, University of, C, 29; E, 43
Northeastern University, B, 19; D, 33
Northwestern University, B, 19; D, 34

Oberlin College, A, 13
Ohio State University, E, 41
Ohio University, C, 27; E, 41

Plymouth Teachers College, C, 27
Post College, C. W., of Long Island University, C, 25

Radcliffe College. *See* Harvard University and Radcliffe College Graduate School
Rhode Island College of Education, C, 27; E, 42
Rutgers, The State University, B, 19; D, 34

St. Bonaventure University, C, 27
St. John's University, C, 27
St. Rose, College of, B, 16; D, 32; E, 39
San Diego State College, E, 42
San Francisco State College, C, 27; E, 42
Sarah Lawrence College, D, 34
Smith College, A, 13
Southern California, University of, B, 22; C, 30; E, 44
Southern Connecticut State College, B, 20. *See also* Connecticut State Colleges
Stanford University, B, 20; C, 27; E, 42
State of New York, University of the, C, 30; E, 44
Syracuse University, B, 20; C, 28; D, 34; E, 42

Teachers College, Columbia University, B, 20; D, 35
Temple University, B, 20
Toledo, University of, C, 30; E, 44
Tufts University, B, 21; D, 35

University of the State of New York, C, 30; E, 44
University of ———. *See* most significant term
Utah, University of, E, 44

Vermont, University of, C, 30; E, 45
Vanderbilt University, A, 14

Wagner College, B, 23; D, 36
Washington University, B, 23; C, 31; D, 37
Wayne State University, C, 31; E, 45
Wesleyan University, A, 14; C, 31
West Virginia University, C, 31; E, 45
Whitworth College, E, 45
Willimantic State College. *See* Connecticut State Colleges
Wisconsin, University of, B, 22; D, 36

Yale University, A, 14
Yeshiva University, B, 23; C, 31; D, 37; E, 45
Youngstown University, E, 45

Geographical Index

Alabama

University of Alabama, C, 28; E, 42

Arkansas

Harding College, A, 12; D, 33
University of Arkansas, B, 21; D, 35

California

Claremont Graduate School, C, 25; E, 39
San Diego State College, E, 42
San Francisco State College, C, 27; E, 42
Stanford University, B, 20; C, 27; E, 42
University of California, C, 28
University of Southern California, B, 22; C, 30; E, 44

Colorado

Colorado State College, B, 16; D, 32

Connecticut

Central Connecticut State College. *See* Connecticut State Colleges
Connecticut College, A, 11
Connecticut State Colleges, E, 39
Danbury State College. *See* Connecticut State Colleges
Southern Connecticut State College, B, 20. *See also* Connecticut State Colleges
Wesleyan University, A, 14; C, 31
Willimantic State College. *See* Connecticut State Colleges
Yale University, A, 14

Delaware

University of Delaware, C, 29; D, 35; E, 43

District of Columbia

George Washington University, B, 17

Florida

Florida State University, B, 17; D, 32
University of Florida, B, 21

Idaho

University of Idaho, C, 29; E, 43

Illinois

National College of Education, D, 33
North Central College, E, 41
Northwestern University, B, 19; D, 34
University of Chicago, A, 13; E, 42
University of Illinois, B, 21

Indiana

Indiana State Teachers College, B, 18
Indiana University, A, 12

Kansas

Kansas State Teachers College, C, 26
University of Kansas, C, 29; E, 43

Maryland

Goucher College, D, 33
Johns Hopkins University, A, 12
University of Maryland, C, 29; E, 43

Massachusetts

Assumption College, A, 10
Boston College, A, 10
Boston University, A, 10; B, 15; D, 32
Harvard University, C, 25; D, 33; E, 40
Harvard University and Radcliffe College Graduate School, A, 12
Lesley College, C, 26
Mount Holyoke College, A, 13
New England Conservatory of Music, B, 18; D, 33
Northeastern University, B, 19; D, 33
Radcliffe College. *See* Harvard University and Radcliffe College Graduate School
Smith College, A, 13
Tufts University, B, 21; D, 35
University of Massachusetts, A, 13; D, 35

Michigan

Merrill-Palmer School, E, 40
University of Michigan, B, 22; D, 36
Wayne State University, C, 31; E, 45

Minnesota

Macalester College, B, 18; D, 33

Missouri

Harris Teachers College, E, 39
Washington University, B, 23; C, 31; D, 37

New Hampshire

Plymouth Teachers College, C, 27

New Jersey

Newark State College, E, 41
Rutgers [illegible] State University, B, 19; D, 34

New York

Adelphi College, B, 15; C, 24; E, 38
Brooklyn College, B, 15
C. W. Post College of Long Island University, C, 25
Canisius College, B, 16
City College, B, 16
Colgate University, A, 11; C, 25
Columbia University. *See* Teachers College, Columbia University
College of St. Rose, B, 16; D, 32; E, 39
Cornell University, B, 17; D, 32
Fordham University, C, 25
Hofstra College, B, 18
Long Island University, C, 26; E, 40
New York University, B, 19; C, 26
Post College, C. W., of Long Island University, C, 25
St. Bonaventure University, C, 27
St. John's University, C, 27
Sarah Lawrence College, D, 34
Syracuse University, B, 20; C, 28; D, 34; E, 42
Teachers College, Columbia University, B, 20; D, 35
University of Buffalo, B, 21; D, 35
University of the State of New York, C, 30; E, 44

Wagner College, B, 23; D, 36
Yeshiva University, B, 23; C, 31; D, 37; E, 45

North Carolina

Duke University, A, 11
University of North Carolina, B, 22

North Dakota

Dickinson State Teachers College, C, 25
University of North Dakota, C, 29; E, 43

Ohio

Bowling Green State University, C, 24; E, 38
Kent State University, C, 26; E, 40
Oberlin College, A, 13
Ohio State University, E, 41
Ohio University, C, 27; E, 41
University of Toledo, C, 30; E, 44
Youngstown University, E, 45

Pennsylvania

Temple University, B, 20

Rhode Island

Brown University, A, 11
Rhode Island College of Education, C, 27; E, 42

Tennessee

George Peabody College for Teachers, B, 17
Vanderbilt University, A, 14

Utah

Brigham Young University, C, 24; E, 38
University of Utah, E, 44

Vermont

University of Vermont, C, 30; E, 45

Washington

Gonzaga University, C, 25
Whitworth College, E, 45

West Virginia

West Virginia University, C, 31; E, 45

Wisconsin

University of Wisconsin, B, 22; D, 36

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